SUFFOLK COUNTY FIREMATICS
676 MAPLE STREET
YAPHANK, NEW YORK
SCTM ID: 0200-779.00-01.00-002.000
NYSDEC SITE: 152246

INTERIM REMEDIAL MEASURE COMPLETION REPORT YAPHANK FIREMATICS STORM WATER SYSTEM

SUBMITTED TO:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway
Albany, New York 12233

PREPARED FOR:

Suffolk County
H. Lee Dennison Building
Hauppauge, New York 11788

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

Andrew Lockwood, Senior Vice President andyl@pwgrosser.com

PWGC Project Number: SHD1902

JUNE 2020

INTERIM REMEDIAL MEASURE COMPLETION REPORT YAPHANK FIREMATICS STORM WATER SYSTEM

YAPHANK FIREMATICS SITE
YAPHANK, NEW YORK

SUBMITTED:
June 2020

PREPARED FOR:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway
Albany, New York 12233

ON BEHALF OF:
Suffolk County
H. Lee Dennison Building
Hauppauge, New York 11788

PREPARED BY:
P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11967

INTERIM REMEDIAL MEASURE COMPLETION REPORT
YAPHANK FIREMATICS STORM WATER SYSTEM
YAPHANK, NEW YORK

TABLE OF CONTENTS

PHOTOGRAPHS

FIGURES

Tables

APPENDICES

1.0 INTRODUCTION

This Interim Remedial Measure (IRM) Completion Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of the Suffolk County Department of Health Services (SCDHS), to document the non-emergency IRM activities completed at the Suffolk County Firematics Site (Site) located at 676 Maple Street, Yaphank, New York. A Site Location Map is included as **Figure 1** and a Site Plan is included as **Figure 2**.

The scope of work was based upon the Final IRM Work Plan dated April 2019. The non-emergency IRM is not intended to be considered the final remedy for the site but was undertaken to remove per- and poly-fluoroalkyl substances (PFAS) contaminated sediment from the on-site storm water system in order to minimize additional impact to soil and groundwater. A Feasibility Study (FS), Proposed Remedial Action Plan (PRAP), and Record of Decision (ROD) will be prepared to document the selection of the final remedy.

1.1 Site Description

The subject property is located at 676 Maple Street in the hamlet of Yaphank, New York. The Site is in the Town of Brookhaven, Suffolk County (**Figure 1**). The property is identified in the Suffolk County Tax Map as: 0200-779.00-01.00-002.000.

The Site consists of several buildings used for various firefighting training activities, with and without the use of live fire, or for administrative support (offices, classrooms, etc.). The Site measures approximately 28 acres in area. The buildings located at the Site were constructed between 1959 and 2005 (**Figure 2**).

1.2 Site History

The subject Site was undeveloped until 1957. Sometime between 1957 and 1959 the land was developed to be utilized as a firefighter training facility. In 1959, the first buildings were erected and included a Communications Building (since demolished), a Multistory Training Area (Tower), a recharge basin, roadways, and several open pits (oil pits) used for firefighting training.

Between 1959 and 1980, several additions were made to the property which included a Class “A” Residential Training Area (current Smoke House), a Railroad Tank Car Training Area, the eastern most administrative building and parking area, pump test building, liquified petroleum gas (LPG) Training Area, and an additional recharge basin. In addition, the correctional facility to the north was constructed (approximately 1960) and the sewage treatment plant (STP) facility west of the Site was constructed (approximately 1978).

Between 1980 and 1994 several additional buildings were added, and the training areas were better defined by the installation of concrete pads. The concrete pads currently used for Hazardous Materials (HAZMAT) Response, LPG Training Area, and Extrication Training were installed between 1980 and 1985. The current office and classroom building, the Commercial Class "A" Training Area, the Emergency Response Equipment Storage, and the Tech Rescue Training Area were added to the Site.

In the 1990s, the railroad tank car was converted to LPG to reduce use of liquid accelerants. Between 1995 and 2011, a replacement Class "A" Residential Training Area was built. It measured approximately 5,000 square feet and included a front porch, an attached 2 car garage, a basement, and an attic. The original Class "A" residential burn building was converted for use as a training area for new recruit courses and fire fighter survival courses. During this time, the Staff Field Office and Pump Test Facility was constructed, and the Communications Building was demolished.

1.3 Previous Investigations

Environmental investigations of the site began in 2016. A detailed summary of the investigations is included in the Interim Remedial Measure Work Plan Yaphank Firematics Storm Water System, PWGC 2019. The following activities have been performed:

- Preliminary Site Assessment - Suffolk County Department of Health Services Investigation
- Interim Remedial Measure – Public Water Hookups
- Records Search Report
- Remedial Investigation Work Plan
- Draft Remedial Investigation Report
- Interim Remedial Measure Work Plan Yaphank Firematics Storm Water System

During the Remedial Investigation PFAS was detected in the five stormwater catch basins sampled at the site. PFOS was detected in each structure at concentrations ranging from 0.00026 mg/kg in UIC005 to 353 mg/kg in UIC003 (Figure 3). PFOA was reported at concentrations ranging from non-detect to 0.49 mg/kg in UIC003. The highest levels of PFAS were reported in sample UIC003, the stormwater catch basin located on the southeast corner of the HAZMAT Response Training Area/Foam Training Area. It appears that the stormwater catch basins located within the soil source areas and other areas known to have used AFFF are impacted with PFAS (HAZMAT

Response Training Area/Foam and Tank Car – Flammable Liquids Pit Training Areas). This stormwater system discharge is a likely source of PFAS to the Unlined Recharge Basin. Based on this data an IRM was recommended.

2.0 STORM WATER REMEDIATION

On June 11, 2019 PWGC and Innovative Recycling Technologies (IRT) mobilized to the subject site to begin the remediation of the storm water structures. The remediation work was conducted from June 11, 2019 through June 16, 2019. IRT utilized the following equipment to remediate the storm water structures.

- Vacuum Truck
- Pump Truck
- Hand Tools

2.1 Liquid and Sediment Removal

Liquids, if present within the catch basins, were removed utilizing a pump truck. Following the liquid removal, impacted sediments were removed with a vacuum truck until all sediment, to the extent practicable, was removed from each structure. The sediment and liquid removed from the structures were then placed into two 10-cubic yard roll offs and one 8,500-gallon frac tank; except for liquid and sediment removed from structures CB-1 through CB-5 which are located on Site Feature 22 (Hazmat Response Training Area). Liquid and sediment removed from CB-1 through CB-5 was placed into four 55-gallon drums and four 270-gallon totes.

Of the structures that were remediated, five of the structures did not have a solid bottom (CB32, CB-33, CB-36, CB-37 and CB-39). These structures were remediated until visually clean sediment was observed. A photoionization detector (PID) was also utilized to scan the soil, PID responses were at background levels (0.00 PPM). Three structures (CB-23, CB-26 and CB-31) contained no sediment and did not require remediation. Nine structures were not accessible at the time of the remedial activities (CB-24, CB-25, CB-27, CB-40, CB-49, CB-51, CB-57, CB-58, and CB-59).

These structures were not accessible due to their location beneath firefighting props (CB-27 and CB-49), covers not physically removable at the time of the IRM (CB-24, CB-25, CB-40, CB-51) or the presence of debris that could not be removed with the vacuum truck (CB-57, CB58, CB-59). Eight of the nine structures that were not remediated as part of the IRM are outside of the areas of known aqueous film forming foam (AFFF) training and outside the area of elevated soil PFAS contamination identified during the RI. Significant PFAS contamination is unlikely at these locations.

The locations of all the structures included in the IRM are shown on **Figure 3**. Further details, pictures of the catch basins, and access details can be found in **Appendix A**.

Photo 1: Typical Solid Bottom Structure Post Remediation

3.0 CIRCULAR BURN PIT REMEDIATION

On June 17, 2019, PWGC and IRT mobilized to the subject site to remediate a circular burn pit also known as the Flammable Liquids Pit. The Circular Burn Pit is approximately 18 feet in diameter and historically was used for flammable liquid training and more recently was used to burn combustibles. The pit is constructed of poured concrete and is approximately 2 feet deep with a solid bottom. IRT utilized the following equipment to remediate the Circular Burn Pit:

- Pump Truck
- Backhoe
- Hand Tools

Liquid present in the Circular Burn Pit was removed utilizing the Pump Truck and placed into four 270-gallon totes. Once the liquids were removed, IRT used a Backhoe to remove the vegetation and sediment and placed them into fifteen 55-gallon drums.

Photo 2: Circular Burn Pit Post Remediation

4.0 SAMPLE ANALYSIS

On June 18, 2019, PWGC and IRT mobilized to the subject site to collect six waste characterization samples. The soil waste characterization samples collected for volatile organic analysis were collected directly from the roll off or 55-gallon drums depending on the sample. The remaining sample volumes were transferred to a stainless-steel bowl and homogenized. Once homogenized, samples were transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to Alpha Analytical Laboratories (Alpha) of Westboro, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory.

The liquid waste characterization samples were collected using a dedicated unpreserved laboratory supplied glassware. The dedicated glass jars were lowered into either the frac tank or plastic tote depending on the sample and transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to Alpha.

Three stormwater (liquid) samples and three sediment samples were collected. See **Table 1** for analyses conducted and the origin location of the media. The complete analytical data package can be found in **Appendix B**. Laboratory analytical data is summarized on tables included in **Appendix C**. Waste characterization sample

WC001 is representative of all structures remediated except the five structures around the HAZMAT Response Training Area and the Circular Burn Pit, WC002 is representative of the structures associated with the HAZMAT Response Training Area (CB-1 through CB-5) and WC003 is representative of the sediment and liquid from the Circular Burn Pit. Sediment samples showed elevated levels of several VOCs, SVOCs, metals, and pesticides in at least one of the three samples. Detectable concentrations of PFAS were reported in each sample with the total PFAS concentration ranging from 0.072 mg/kg in WC003 (Circular Burn Pit Sediment) to 66.5 mg/kg in WC002 (HAZMAT Response Training Area). Liquid samples contained detectable concentrations of VOCs (primarily petroleum related compounds), SVOCs, and metals. Detectable concentrations of PFAS were reported in each sample with the total PFAS concentration ranging from 10.6 ug/l in WC002 (HAZMAT Response Training Area) to 74.2 ug/l in WC001.

Laboratory QA/QC results are detailed in the case narrative section of the attached laboratory report, in general the laboratory results for all analytes were reported with elevated reporting limits (RLs) due to sample dilution required by matrix interference within the samples. The elevated reporting limits did not affect the data for its intended use as waste characterization to support disposal at permitted facilities.

After the results of the analysis were complete, IRT prepared the necessary forms for submittal to the waste disposal facilities. Forms were then submitted to the waste disposal facility for evaluation and final approval. NYSDEC/NYSDOH were then provided the analytical results and disposal facility acceptance forms for approval prior to the off-site transportation of waste.

Table 1: Waste Characterization Sampling Summary

Sample ID	Media	Origin	Analysis
WC001	Sediment	All Structures*	VOCs, SVOCs, PCBs, Pesticides, Metals, Reactivity, Ignitability, Corrosivity, PFAS, EPH, Paint Filter, Full TCLP, PH Hydrogen ion concentrations, Reactive Cyanide, Reactive Sulfide.
WC002	Sediment	Hazmat Response Training Area	
WC003	Sediment	Circular Burn Pit	
WC001	Stormwater	All Structures*	VOCs, SVOCs, PCBs, Pesticides, Metals, Reactivity, Ignitability, Corrosivity, PFAS, Full TCLP, PH Hydrogen ion concentrations, Reactive Cyanide, Reactive Sulfide.
WC002	Stormwater	Hazmat Response Training Area	
WC003	Stormwater	Circular Burn Pit	

*A composite of all structures other than the Hazmat Response Training Area and Circular Burn Pit

5.0 OFF SITE DISPOSAL OF SEDIEMNT AND LIQUID

The waste characterization analytical results were evaluated, and disposal options for the liquid and sediment generated were chosen and approved by the SCDHS and NYSDEC. The liquids generated from the catch basins and the Circular Burn Pit were approved to be sent to Norlite (a Tradebe Company) in Cohoes, NY and Global Cycle in East Taunton, MA. The sediment generated from the catch basins and the Circular Burn Pit were approved to be sent to Heritage Thermal Services, Inc located in East Liverpool, OH.

PWGC and IRT mobilized to the site on February 3, 2020, March 23, 2020, March 30, 2020 and April 13, 2020 and April14, 2020 to ship the generated soil / liquids offsite to the above listed approved facilities. The sediment stored within the 55-gallon drums was combined with the two 10-yard roll offs using a bobcat. The liquids in the plastic totes were combined with the liquid in the frac tank. A total of 6,821 gallons of liquid were transported off-site for disposal (incineration) 2,763 gallons to Norlite and 4,058 gallons to Global Cycle. A total of 18.35 tons of sediment were transported off-site for disposal (incineration) at Heritage Thermal Services.

Waste Approval Letters and Manifests can be found in **Appendix D**.

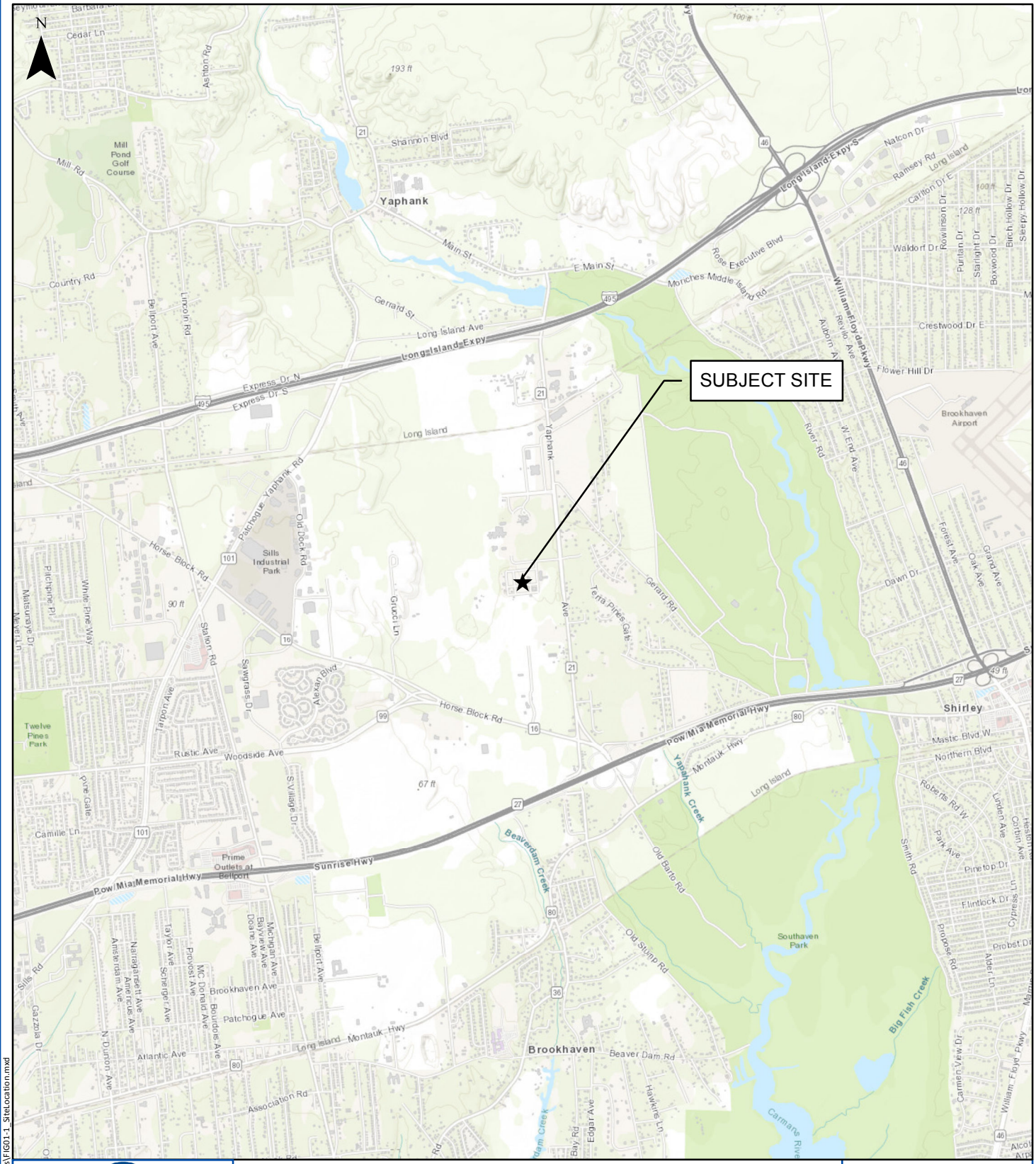
6.0 CONCLUSIONS

PWGC and IRT mobilized to the subject site on June 11, 2019 to begin the remediation of the storm water structures. The remediation work was conducted from June 11, 2019 through June 16, 2019. Of the 59 structures identified at the site, five of the structures did not have a solid bottom (CB32, CB-33, CB-36, CB-37 and CB-56), three structures (CB-23, CB-26 and CB-31) did not require remediation and nine structures were not accessible to be remediated (CB-24, CB-25, CB-27, CB-40, CB-49, CB-51, CB-57, CB-58, and CB-59) . Eight of these nine structures are outside of the AOCs identified as locations of past AFFF use and the one structure within the AOCs is not accessible due to an existing firefighting prop. Based on this information there are no plans to remobilize to address the eight structures outside of the AOCs identified as locations of past AFFF use. SCDHS will evaluate the need to remove sediment from CB-27 as part of the final remedy for the site.

On June 17, 2019, PWGC and IRT mobilized to the subject site to remediate a Circular Burn Pit. The Circular Burn Pit is approximately 18 feet in diameter and 2-feet deep and historically was used for flammable liquid training and more recently was used to burn combustibles. The debris in the pit was removed using a backhoe and placed into 55-gallon drums.

After the remediation was completed, the liquid and sediments generated were sampled on June 18, 2019. In February and March 2020, the liquids were approved to be sent to Norlite (a Tradebe Company) in Cohoes, NY and Global Cycle in East Taunton, MA and sediments to Heritage Thermal Services, Inc located in East Liverpool, OH. A total of 6,821 gallons of liquid were transported off-site for disposal (incineration) 2,763 gallons to Norlite and 4,058 gallons to Global Cycle. A total of 18.35 tons of sediment were transported off-site for disposal (incineration) at Heritage Thermal Services.

FIGURES



SITE LOCATION

676 MAPLE ST
YAPHANK, NY

Miles
0 ¼ ½ ¾ 1 1¼ 1½ 1¾ 2

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

Project:	SHD1804
Date:	1/15/2019
Designed by:	AL
Drawn by:	TS
Approved by:	AL
Figure No:	1-1

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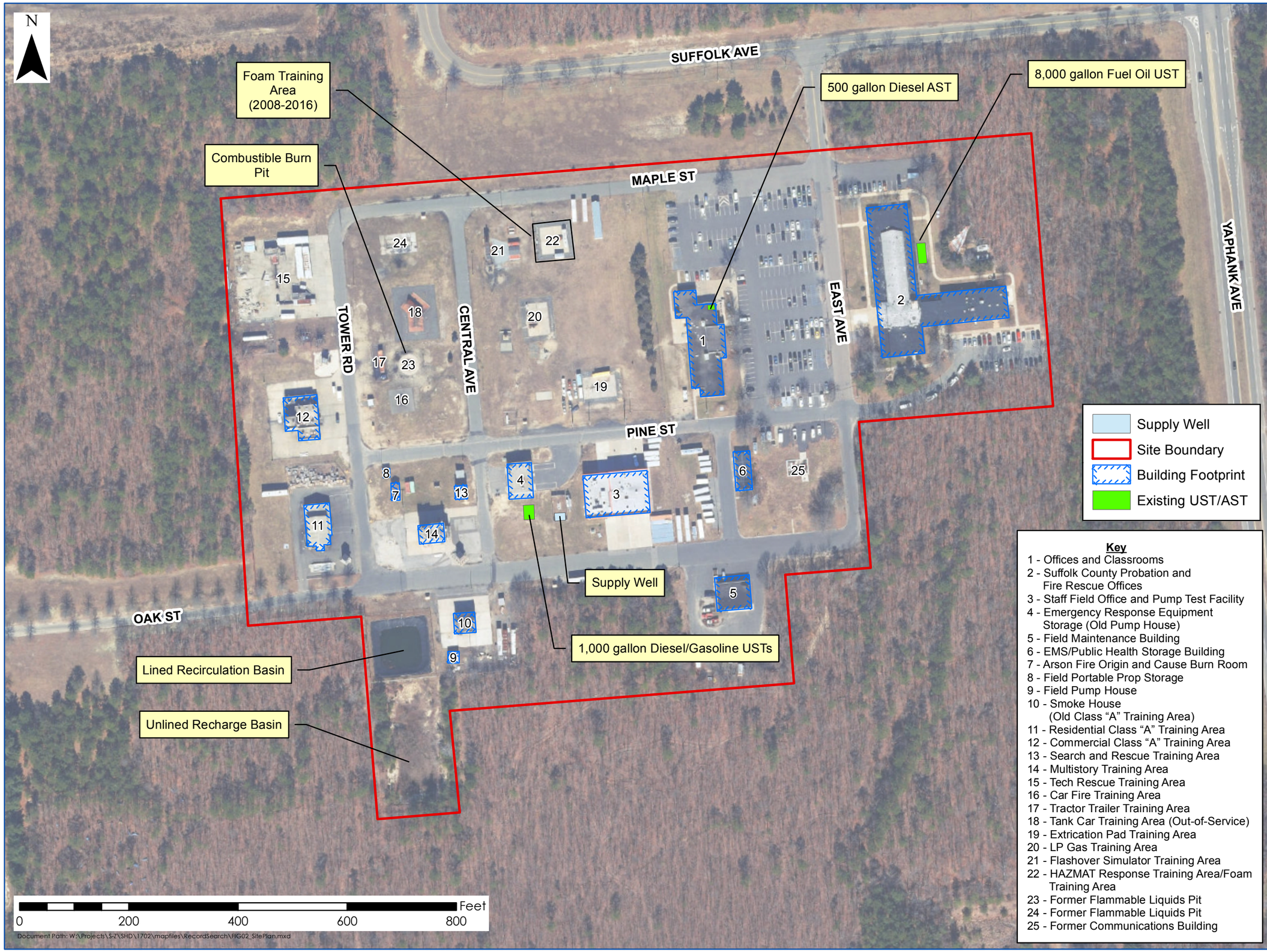


Key

1 - Offices and Classrooms
2 - Suffolk County Probation and Fire Rescue Offices
3 - Staff Field Office and Pump Test Facility
4 - Emergency Response Equipment Storage (Old Pump House)
5 - Field Maintenance Building
6 - EMS/Public Health Storage Building
7 - Arson Fire Origin and Cause Burn Room
8 - Field Portable Prop Storage
9 - Field Pump House
10 - Smoke House (Old Class "A" Training Area)
11 - Residential Class "A" Training Area
12 - Commercial Class "A" Training Area
13 - Search and Rescue Training Area
14 - Multistory Training Area
15 - Tech Rescue Training Area
16 - Car Fire Training Area
17 - Tractor Trailer Training Area
18 - Tank Car Training Area (Out-of-Service)
19 - Extrication Pad Training Area
20 - LP Gas Training Area
21 - Flashover Simulator Training Area
22 - HAZMAT Response Training Area/Foam Training Area
23 - Former Flammable Liquids Pit
24 - Former Flammable Liquids Pit
25 - Former Communications Building

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

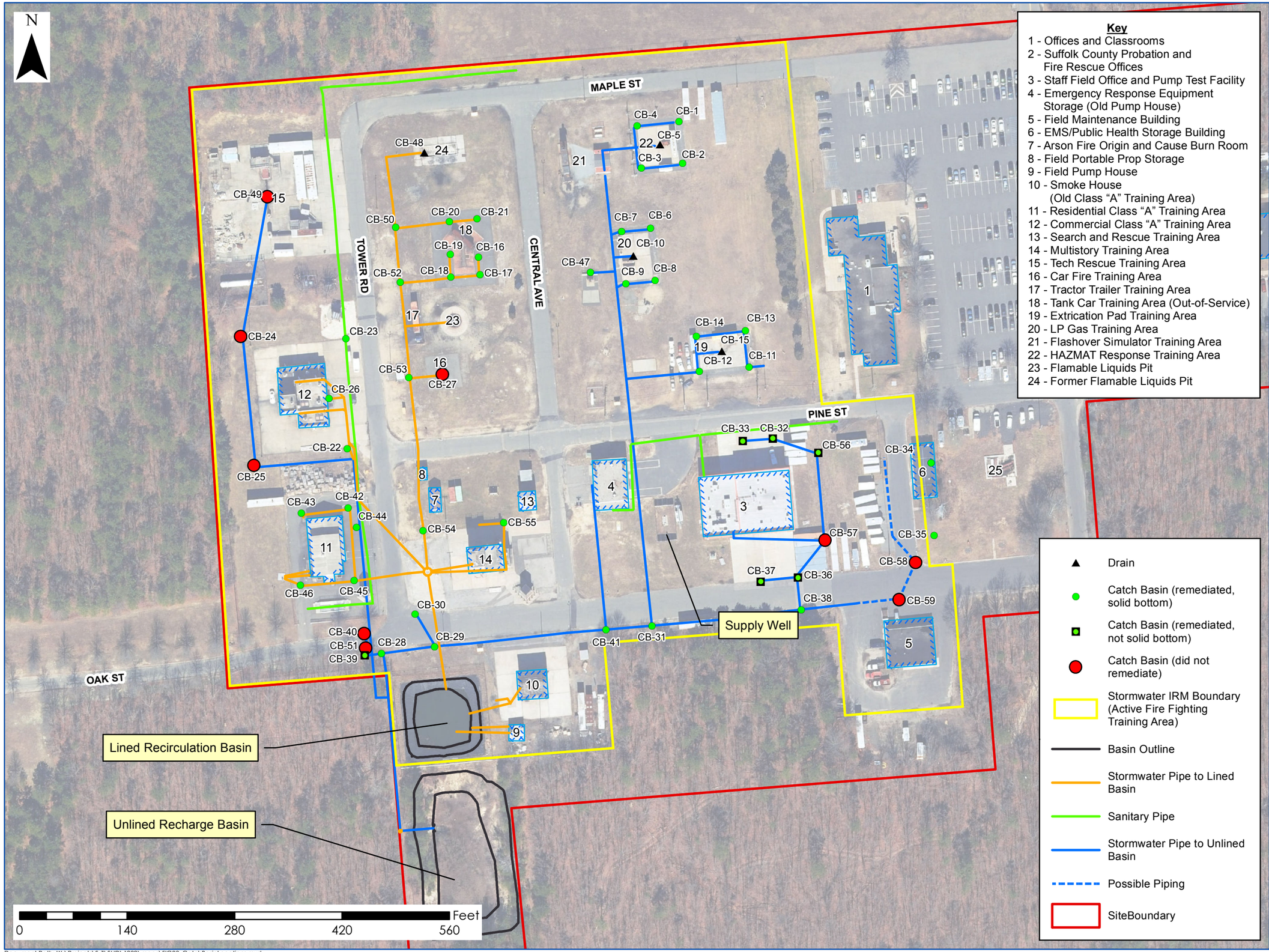
Project:	SHD1804	Designed by:	AL
Date:	4/18/2019	Drawn by:	TS
Scale:	AS SHOWN	Approved by:	AL

SITE PLAN

SUFFOLK COUNTY
FIREMATICS
676 MAPLE ST
YAPHANK, NY

FIGURE NO:

2



Key

1 - Offices and Classrooms
2 - Suffolk County Probation and Fire Rescue Offices
3 - Staff Field Office and Pump Test Facility
4 - Emergency Response Equipment Storage (Old Pump House)
5 - Field Maintenance Building
6 - EMS/Public Health Storage Building
7 - Arson Fire Origin and Cause Burn Room
8 - Field Portable Prop Storage
9 - Field Pump House
10 - Smoke House (Old Class "A" Training Area)
11 - Residential Class "A" Training Area
12 - Commercial Class "A" Training Area
13 - Search and Rescue Training Area
14 - Multistory Training Area
15 - Tech Rescue Training Area
16 - Car Fire Training Area
17 - Tractor Trailer Training Area
18 - Tank Car Training Area (Out-of-Service)
19 - Extrication Pad Training Area
20 - LP Gas Training Area
21 - Flashover Simulator Training Area
22 - HAZMAT Response Training Area
23 - Flamable Liquids Pit
24 - Former Flamable Liquids Pit

- Drain
- Catch Basin (remediated, solid bottom)
- Catch Basin (remediated, not solid bottom)
- Catch Basin (did not remediate)
- Stormwater IRM Boundary (Active Fire Fighting Training Area)
- Basin Outline
- Stormwater Pipe to Lined Basin
- Sanitary Pipe
- Stormwater Pipe to Unlined Basin
- Possible Piping
- SiteBoundary

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	SHD1902	Designed by:	AL
Date:	6/19/2020	Drawn by:	TS
Scale:	AS SHOWN	Approved by:	AL

Catch Basin Locations

YAPHANK FIREMATICS
676 MAPLE AVE
YAPHANK, NY

FIGURE NO:
3

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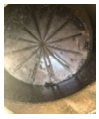
APPENDIX A

CATCH BASIN REMEDIATION SUMMARY

Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-1	Solid Bottom	Yes		
CB-2	Solid Bottom	Yes		
CB-3	Solid Bottom	Yes		
CB-4	Solid Bottom	Yes		
CB-5	Solid Bottom	Yes		Sediment removed with shovel.
CB-6	Solid Bottom	Yes		
CB-7	Solid Bottom	Yes		
CB-8	Solid Bottom	Yes		
CB-9	Solid Bottom	Yes		
CB-10	Solid Bottom	Yes		
CB-11	Solid Bottom	Yes		

Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-12	Solid Bottom	Yes		
CB-13	Solid Bottom	Yes		
CB-14	Solid Bottom	Yes		
CB-15	Solid Bottom	Yes		
CB-16	Solid Bottom	Yes		
CB-17	Solid Bottom	Yes		
CB-18	Solid Bottom	Yes		
CB-19	Solid Bottom	Yes		
CB-20	Solid Bottom	Yes		

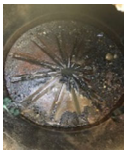
Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-21	Solid Bottom	Yes		
CB-22	Solid Bottom	Yes		
CB-23	Solid Bottom	No		No sediment observed.
CB-24	N/A	N/A		3 foot diamater covers, was not able to open by hand.
CB-25				
CB-26	Solid Bottom	No		No sediment to remediate.
CB-27	N/A	Not able to access due to car prop attached to propane.		
CB-28	Solid Bottom	Yes		
CB-29	Solid Bottom	Yes		
CB-30	Solid Bottom	Yes		
CB-31	Solid Bottom	No		No sediment to remediate.

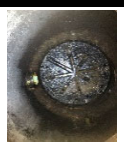
Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-32	Not Solid	Yes		
CB-33	Not Solid	Yes		
CB-34	Solid Bottom	Yes		
CB-35	Solid Bottom	Yes		
CB-36	Not Solid	Yes		
CB-37	Not Solid	Yes		
CB-38	Solid Bottom	Yes		
CB-39	Not Solid	Yes		
CB-40	N/A	N/A		Drain located in roadway, cannot remove cover by hand.
CB-41	Solid Bottom	No		No sediment to remediate.

Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-42	Solid Bottom	Yes		
CB-43	Solid Bottom	Yes		
CB-44	Solid Bottom	Yes		
CB-45	Solid Bottom	Yes		
CB-46	Solid Bottom	Yes		
CB-47	Solid Bottom	Yes		
CB-48	Solid Bottom	Yes		
CB-49	Solid Bottom	Unable to access due to tunnel prop.		
CB-50	Solid Bottom	Yes		
CB-51	N/A	N/A		Drain located in roadway, cannot remove cover by hand.
CB-52	Solid Bottom	Yes		

Catch Basin Checklist
Suffolk County Firematics
676 Maple Ave, Yaphank, New York

Name:	Construction	Did the structure require remediation?	Picture	Notes:
CB-53	Solid Bottom	Yes		
CB-54	Solid Bottom	Yes		
CB-55	Solid Bottom	Yes		
CB-56	Solid Bottom	Yes		
CB-57	N/A	Located in roadway, all contain large debris such as concrete, metal grated covers and traffic cones. The debris could not be removed with the vacuum truck. Trace amounts of sediment under the debris.		
CB-58				
CB-59				

APPENDIX B

WASTE CHARACTERIZATION ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1926360
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Andy Lockwood
Phone:	(631) 589-6353
Project Name:	SUFFOLK COUNTY FIREMATICS
Project Number:	SHD1902
Report Date:	07/11/19

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

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

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1926360-01	WC001 (SEDIMENT)	SOIL	67 MAPLE STREET, YAPHANK, NY	06/18/19 10:00	06/18/19
L1926360-02	WC002 (SEDIMENT)	SOIL	67 MAPLE STREET, YAPHANK, NY	06/18/19 10:15	06/18/19
L1926360-03	WC003 (SEDIMENT)	SOIL	67 MAPLE STREET, YAPHANK, NY	06/18/19 10:30	06/18/19
L1926360-04	WC001 (LIQUID)	WATER	67 MAPLE STREET, YAPHANK, NY	06/18/19 10:45	06/18/19
L1926360-05	WC002 (LIQUID)	WATER	67 MAPLE STREET, YAPHANK, NY	06/18/19 11:00	06/18/19
L1926360-06	WC003 (LIQUID)	WATER	67 MAPLE STREET, YAPHANK, NY	06/18/19 11:15	06/18/19

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

Case Narrative

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

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

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

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

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

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

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360
Project Number: SHD1902 **Report Date:** 07/11/19

Case Narrative (continued)

Report Submission
July 10, 2019: This final report includes the results of all requested analyses.
July 02, 2019: This is a preliminary report.

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

Volatile Organics
Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.
L1926360-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.
L1926360-02: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.
L1926360-04: The sample has elevated detection limits due to the dilution required by the sample matrix (oily, particles).
L1926360-05: The sample has elevated detection limits due to the dilution required by the sample matrix (oily).

Semivolatile Organics
L1926360-02 through -06: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1926360-04, -05, and -06: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1255084-2 LCS recovery, associated with L1926360-01, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

Case Narrative (continued)

reported.

Semivolatile Organics by SIM

L1926360-04, -05, and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1926360-04 and -06: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L1926360-01 and -02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1926360-02: The sample was re-analyzed on dilution utilizing the methanol vial in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1926360-02, -03, and -06: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1257584-5: The continuing calibration standard had the response for Perfluorohexanoic Acid (PFHxA) above the acceptance criteria for the method. The associated samples were non-detect to the RL; therefore, no further action was taken.

PCBs

L1926360-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1926360-04 and -05: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

Case Narrative (continued)

L1926360-04: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (7%) and decachlorobiphenyl (11%) due to interference with the Internal Standard.
L1926360-05: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (10%) and decachlorobiphenyl (2%) due to interference with the Internal Standard.

Pesticides
L1926360-01, -02, and -04: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.
L1926360-02: The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (9%) due to interference with the Internal Standard.
L1926360-04 and -05: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1926360-04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals
L1926360-01 through -03: 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: 07/11/19

ORGANICS

VOLATILES

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/26/19 14:03
Analyst: MM
Percent Solids: 79%
TCLP/SPLP Ext. Date: 06/19/19 13:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
dibromofluoromethane	98		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/27/19 17:00
Analyst: KJD
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1300	590	4
1,1-Dichloroethane	ND		ug/kg	260	38.	4
Chloroform	ND		ug/kg	390	36.	4
Carbon tetrachloride	ND		ug/kg	260	60.	4
1,2-Dichloropropane	ND		ug/kg	260	32.	4
Dibromochloromethane	ND		ug/kg	260	36.	4
1,1,2-Trichloroethane	ND		ug/kg	260	69.	4
Tetrachloroethene	ND		ug/kg	130	51.	4
Chlorobenzene	ND		ug/kg	130	33.	4
Trichlorofluoromethane	ND		ug/kg	1000	180	4
1,2-Dichloroethane	ND		ug/kg	260	67.	4
1,1,1-Trichloroethane	ND		ug/kg	130	43.	4
Bromodichloromethane	ND		ug/kg	130	28.	4
trans-1,3-Dichloropropene	ND		ug/kg	260	71.	4
cis-1,3-Dichloropropene	ND		ug/kg	130	41.	4
1,3-Dichloropropene, Total	ND		ug/kg	130	41.	4
1,1-Dichloropropene	ND		ug/kg	130	41.	4
Bromoform	ND		ug/kg	1000	64.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	130	43.	4
Benzene	ND		ug/kg	130	43.	4
Toluene	150	J	ug/kg	260	140	4
Ethylbenzene	110	J	ug/kg	260	36.	4
Chloromethane	ND		ug/kg	1000	240	4
Bromomethane	ND		ug/kg	520	150	4
Vinyl chloride	ND		ug/kg	260	87.	4
Chloroethane	ND		ug/kg	520	120	4
1,1-Dichloroethene	ND		ug/kg	260	62.	4
trans-1,2-Dichloroethene	ND		ug/kg	390	36.	4

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	130	36.	4
1,2-Dichlorobenzene	ND		ug/kg	520	37.	4
1,3-Dichlorobenzene	ND		ug/kg	520	38.	4
1,4-Dichlorobenzene	ND		ug/kg	520	44.	4
Methyl tert butyl ether	ND		ug/kg	520	52.	4
p/m-Xylene	380	J	ug/kg	520	140	4
o-Xylene	ND		ug/kg	260	75.	4
Xylenes, Total	380	J	ug/kg	260	75.	4
cis-1,2-Dichloroethene	ND		ug/kg	260	45.	4
1,2-Dichloroethene, Total	ND		ug/kg	260	36.	4
Dibromomethane	ND		ug/kg	520	62.	4
Styrene	ND		ug/kg	260	51.	4
Dichlorodifluoromethane	ND		ug/kg	2600	240	4
Acetone	ND		ug/kg	2600	1200	4
Carbon disulfide	ND		ug/kg	2600	1200	4
2-Butanone	ND		ug/kg	2600	580	4
Vinyl acetate	ND		ug/kg	2600	560	4
4-Methyl-2-pentanone	ND		ug/kg	2600	330	4
1,2,3-Trichloropropane	ND		ug/kg	520	33.	4
2-Hexanone	ND		ug/kg	2600	310	4
Bromochloromethane	ND		ug/kg	520	53.	4
2,2-Dichloropropane	ND		ug/kg	520	52.	4
1,2-Dibromoethane	ND		ug/kg	260	72.	4
1,3-Dichloropropane	ND		ug/kg	520	43.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	130	34.	4
Bromobenzene	ND		ug/kg	520	38.	4
n-Butylbenzene	240	J	ug/kg	260	43.	4
sec-Butylbenzene	90	J	ug/kg	260	38.	4
tert-Butylbenzene	ND		ug/kg	520	31.	4
o-Chlorotoluene	ND		ug/kg	520	50.	4
p-Chlorotoluene	ND		ug/kg	520	28.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	780	260	4
Hexachlorobutadiene	ND		ug/kg	1000	44.	4
Isopropylbenzene	32	J	ug/kg	260	28.	4
p-Isopropyltoluene	120	J	ug/kg	260	28.	4
Naphthalene	870	J	ug/kg	1000	170	4
Acrylonitrile	ND		ug/kg	1000	300	4

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	130	J	ug/kg	260	44.	4
1,2,3-Trichlorobenzene	ND		ug/kg	520	84.	4
1,2,4-Trichlorobenzene	ND		ug/kg	520	70.	4
1,3,5-Trimethylbenzene	360	J	ug/kg	520	50.	4
1,2,4-Trimethylbenzene	1300		ug/kg	520	87.	4
1,4-Dioxane	ND		ug/kg	21000	9100	4
p-Diethylbenzene	1500		ug/kg	520	46.	4
p-Ethyltoluene	750		ug/kg	520	100	4
1,2,4,5-Tetramethylbenzene	580		ug/kg	520	50.	4
Ethyl ether	ND		ug/kg	520	88.	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1300	370	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	101		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/26/19 14:37
Analyst: MM
Percent Solids: 72%
TCLP/SPLP Ext. Date: 06/19/19 13:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	93		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/27/19 17:26
Analyst: KJD
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	420	190	1
1,1-Dichloroethane	ND		ug/kg	85	12.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	85	20.	1
1,2-Dichloropropane	ND		ug/kg	85	11.	1
Dibromochloromethane	ND		ug/kg	85	12.	1
1,1,2-Trichloroethane	ND		ug/kg	85	23.	1
Tetrachloroethene	ND		ug/kg	42	17.	1
Chlorobenzene	120		ug/kg	42	11.	1
Trichlorofluoromethane	ND		ug/kg	340	59.	1
1,2-Dichloroethane	ND		ug/kg	85	22.	1
1,1,1-Trichloroethane	ND		ug/kg	42	14.	1
Bromodichloromethane	ND		ug/kg	42	9.2	1
trans-1,3-Dichloropropene	ND		ug/kg	85	23.	1
cis-1,3-Dichloropropene	ND		ug/kg	42	13.	1
1,3-Dichloropropene, Total	ND		ug/kg	42	13.	1
1,1-Dichloropropene	ND		ug/kg	42	14.	1
Bromoform	ND		ug/kg	340	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	42	14.	1
Benzene	ND		ug/kg	42	14.	1
Toluene	52	J	ug/kg	85	46.	1
Ethylbenzene	ND		ug/kg	85	12.	1
Chloromethane	ND		ug/kg	340	79.	1
Bromomethane	ND		ug/kg	170	49.	1
Vinyl chloride	ND		ug/kg	85	28.	1
Chloroethane	ND		ug/kg	170	38.	1
1,1-Dichloroethene	ND		ug/kg	85	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 Date Collected: 06/18/19 10:15

Client ID: WC002 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	42	12.	1
1,2-Dichlorobenzene	81	J	ug/kg	170	12.	1
1,3-Dichlorobenzene	29	J	ug/kg	170	12.	1
1,4-Dichlorobenzene	79	J	ug/kg	170	14.	1
Methyl tert butyl ether	ND		ug/kg	170	17.	1
p/m-Xylene	ND		ug/kg	170	48.	1
o-Xylene	ND		ug/kg	85	25.	1
Xylenes, Total	ND		ug/kg	85	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	85	15.	1
1,2-Dichloroethene, Total	ND		ug/kg	85	12.	1
Dibromomethane	ND		ug/kg	170	20.	1
Styrene	ND		ug/kg	85	17.	1
Dichlorodifluoromethane	ND		ug/kg	850	78.	1
Acetone	680	J	ug/kg	850	410	1
Carbon disulfide	ND		ug/kg	850	390	1
2-Butanone	ND		ug/kg	850	190	1
Vinyl acetate	ND		ug/kg	850	180	1
4-Methyl-2-pentanone	ND		ug/kg	850	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	11.	1
2-Hexanone	ND		ug/kg	850	100	1
Bromochloromethane	ND		ug/kg	170	17.	1
2,2-Dichloropropane	ND		ug/kg	170	17.	1
1,2-Dibromoethane	ND		ug/kg	85	24.	1
1,3-Dichloropropane	ND		ug/kg	170	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	42	11.	1
Bromobenzene	ND		ug/kg	170	12.	1
n-Butylbenzene	28	J	ug/kg	85	14.	1
sec-Butylbenzene	79	J	ug/kg	85	12.	1
tert-Butylbenzene	ND		ug/kg	170	10.	1
o-Chlorotoluene	ND		ug/kg	170	16.	1
p-Chlorotoluene	ND		ug/kg	170	9.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	85.	1
Hexachlorobutadiene	ND		ug/kg	340	14.	1
Isopropylbenzene	ND		ug/kg	85	9.2	1
p-Isopropyltoluene	190		ug/kg	85	9.2	1
Naphthalene	100	J	ug/kg	340	55.	1
Acrylonitrile	ND		ug/kg	340	98.	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 Date Collected: 06/18/19 10:15

Client ID: WC002 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	85	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	27.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	23.	1
1,3,5-Trimethylbenzene	21	J	ug/kg	170	16.	1
1,2,4-Trimethylbenzene	44	J	ug/kg	170	28.	1
1,4-Dioxane	ND		ug/kg	6800	3000	1
p-Diethylbenzene	84	J	ug/kg	170	15.	1
p-Ethyltoluene	ND		ug/kg	170	33.	1
1,2,4,5-Tetramethylbenzene	37	J	ug/kg	170	16.	1
Ethyl ether	ND		ug/kg	170	29.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	420	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/26/19 15:10
Analyst: MM
Percent Solids: 58%
TCLP/SPLP Ext. Date: 06/19/19 13:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	3.2	J	ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	101		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/27/19 17:52
Analyst: KJD
Percent Solids: 58%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	580	260	1
1,1-Dichloroethane	ND		ug/kg	120	17.	1
Chloroform	ND		ug/kg	170	16.	1
Carbon tetrachloride	ND		ug/kg	120	26.	1
1,2-Dichloropropane	ND		ug/kg	120	14.	1
Dibromochloromethane	ND		ug/kg	120	16.	1
1,1,2-Trichloroethane	ND		ug/kg	120	31.	1
Tetrachloroethene	140		ug/kg	58	23.	1
Chlorobenzene	80		ug/kg	58	15.	1
Trichlorofluoromethane	ND		ug/kg	460	80.	1
1,2-Dichloroethane	160		ug/kg	120	30.	1
1,1,1-Trichloroethane	ND		ug/kg	58	19.	1
Bromodichloromethane	ND		ug/kg	58	13.	1
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	1
cis-1,3-Dichloropropene	ND		ug/kg	58	18.	1
1,3-Dichloropropene, Total	ND		ug/kg	58	18.	1
1,1-Dichloropropene	ND		ug/kg	58	18.	1
Bromoform	ND		ug/kg	460	28.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	58	19.	1
Benzene	3600		ug/kg	58	19.	1
Toluene	1000		ug/kg	120	63.	1
Ethylbenzene	360		ug/kg	120	16.	1
Chloromethane	ND		ug/kg	460	110	1
Bromomethane	ND		ug/kg	230	67.	1
Vinyl chloride	ND		ug/kg	120	39.	1
Chloroethane	ND		ug/kg	230	52.	1
1,1-Dichloroethene	ND		ug/kg	120	28.	1
trans-1,2-Dichloroethene	ND		ug/kg	170	16.	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	58	16.	1
1,2-Dichlorobenzene	17	J	ug/kg	230	17.	1
1,3-Dichlorobenzene	ND		ug/kg	230	17.	1
1,4-Dichlorobenzene	ND		ug/kg	230	20.	1
Methyl tert butyl ether	ND		ug/kg	230	23.	1
p/m-Xylene	680		ug/kg	230	65.	1
o-Xylene	220		ug/kg	120	34.	1
Xylenes, Total	900		ug/kg	120	34.	1
cis-1,2-Dichloroethene	ND		ug/kg	120	20.	1
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	1
Dibromomethane	ND		ug/kg	230	28.	1
Styrene	100	J	ug/kg	120	23.	1
Dichlorodifluoromethane	ND		ug/kg	1200	100	1
Acetone	ND		ug/kg	1200	560	1
Carbon disulfide	ND		ug/kg	1200	530	1
2-Butanone	ND		ug/kg	1200	260	1
Vinyl acetate	ND		ug/kg	1200	250	1
4-Methyl-2-pentanone	ND		ug/kg	1200	150	1
1,2,3-Trichloropropane	ND		ug/kg	230	15.	1
2-Hexanone	ND		ug/kg	1200	140	1
Bromochloromethane	ND		ug/kg	230	24.	1
2,2-Dichloropropane	ND		ug/kg	230	23.	1
1,2-Dibromoethane	ND		ug/kg	120	32.	1
1,3-Dichloropropane	ND		ug/kg	230	19.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	58	15.	1
Bromobenzene	ND		ug/kg	230	17.	1
n-Butylbenzene	38	J	ug/kg	120	19.	1
sec-Butylbenzene	ND		ug/kg	120	17.	1
tert-Butylbenzene	ND		ug/kg	230	14.	1
o-Chlorotoluene	ND		ug/kg	230	22.	1
p-Chlorotoluene	ND		ug/kg	230	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	120	1
Hexachlorobutadiene	ND		ug/kg	460	20.	1
Isopropylbenzene	25	J	ug/kg	120	13.	1
p-Isopropyltoluene	35	J	ug/kg	120	13.	1
Naphthalene	500		ug/kg	460	75.	1
Acrylonitrile	ND		ug/kg	460	130	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	87	J	ug/kg	120	20.	1
1,2,3-Trichlorobenzene	ND		ug/kg	230	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	31.	1
1,3,5-Trimethylbenzene	170	J	ug/kg	230	22.	1
1,2,4-Trimethylbenzene	330		ug/kg	230	39.	1
1,4-Dioxane	ND		ug/kg	9200	4000	1
p-Diethylbenzene	190	J	ug/kg	230	20.	1
p-Ethyltoluene	320		ug/kg	230	44.	1
1,2,4,5-Tetramethylbenzene	75	J	ug/kg	230	22.	1
Ethyl ether	ND		ug/kg	230	39.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	580	160	1

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

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/27/19 18:11
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	36		ug/l	5.0	1.6	10
Toluene	300		ug/l	25	7.0	10
Ethylbenzene	99		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	420		ug/l	25	7.0	10
o-Xylene	250		ug/l	25	7.0	10
Xylenes, Total	670		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	110		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	70		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	19	J	ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	15	J	ug/l	25	7.0	10
sec-Butylbenzene	11	J	ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	19	J	ug/l	25	7.0	10
p-Isopropyltoluene	9.7	J	ug/l	25	7.0	10
Naphthalene	74		ug/l	25	7.0	10

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	38		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	83		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	320		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	59		ug/l	20	7.0	10
p-Ethyltoluene	190		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	25		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/19 15:31
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	4.0		ug/l	2.5	0.80	5
Toluene	49		ug/l	12	3.5	5
Ethylbenzene	15		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	75		ug/l	12	3.5	5
o-Xylene	34		ug/l	12	3.5	5
Xylenes, Total	110		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	10	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	3.7	J	ug/l	12	3.5	5
sec-Butylbenzene	5.3	J	ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	4.2	J	ug/l	12	3.5	5
p-Isopropyltoluene	3.6	J	ug/l	12	3.5	5
Naphthalene	64		ug/l	12	3.5	5

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	6.9	J	ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	24		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	99		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	40		ug/l	10	3.5	5
p-Ethyltoluene	60		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	22		ug/l	10	2.7	5
Ethyl ether	4.5	J	ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/27/19 16:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.42	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	130		ug/l	2.5	0.70	1
Ethylbenzene	44		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 Date Collected: 06/18/19 11:15

Client ID: WC003 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	160		ug/l	2.5	0.70	1
o-Xylene	95		ug/l	2.5	0.70	1
Xylenes, Total	260		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	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	8.3		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	2.6		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	26		ug/l	2.5	0.70	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 Date Collected: 06/18/19 11:15

Client ID: WC003 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	7.2		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	17		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	71		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	49		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	5.8		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/26/19 12:23
Analyst: MM
TCLP/SPLP Extraction Date: 06/19/19 13:51

Extraction Date: 06/19/19 13:51

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1253660-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	96		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1253839-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1253839-5					
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: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1253839-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 10:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1254119-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 10:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1254119-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	15	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/27/19 10:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1254119-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/19 14:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1254583-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/19 14:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1254583-5					
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: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/19 14:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1254583-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1253660-3 WG1253660-4								
Chloroform	91		91		70-130	0		20
Carbon tetrachloride	87		90		63-132	3		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	83		80		70-130	4		20
Benzene	93		93		70-130	0		25
Vinyl chloride	99		95		55-140	4		20
1,1-Dichloroethene	87		77		61-145	12		25
Trichloroethene	95		96		70-130	1		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	80		75		63-138	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		80		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		100		70-130
dibromofluoromethane	94		92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1253839-3 WG1253839-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	95		100		70-130	5		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	120		110		70-130	9		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	86		86		62-150	0		20
1,2-Dichloroethane	94		95		70-130	1		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	95		99		70-130	4		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	98		100		70-130	2		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	67		70		64-130	4		20
Bromomethane	54		48		39-139	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1253839-3 WG1253839-4								
Vinyl chloride	94		99		55-140	5		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	92		97		61-145	5		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		115		70-130	4		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	100		110		70-130	10		20
Styrene	120		120		70-130	0		20
Dichlorodifluoromethane	89		90		36-147	1		20
Acetone	96		93		58-148	3		20
Carbon disulfide	91		99		51-130	8		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	99		100		70-130	1		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	110		120		57-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1253839-3 WG1253839-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	130		130		63-133	0		20
1,2-Dibromoethane	110		110		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	120		120		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	110		120		41-144	9		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	120		120		70-130	0		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	110		120		70-130	9		20
1,2,4-Trichlorobenzene	120		120		70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	106		120		56-162	12		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1253839-3 WG1253839-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	95		93		70-130
Dibromofluoromethane	97		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1254119-3 WG1254119-4								
Methylene chloride	99		76		70-130	26		30
1,1-Dichloroethane	104		78		70-130	29		30
Chloroform	103		103		70-130	0		30
Carbon tetrachloride	109		106		70-130	3		30
1,2-Dichloropropane	106		78		70-130	30		30
Dibromochloromethane	126		103		70-130	20		30
1,1,2-Trichloroethane	**138**	Q	106		70-130	26		30
Tetrachloroethene	124		102		70-130	19		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	111		101		70-139	9		30
1,2-Dichloroethane	106		107		70-130	1		30
1,1,1-Trichloroethane	106		104		70-130	2		30
Bromodichloromethane	106		79		70-130	29		30
trans-1,3-Dichloropropene	**139**	Q	106		70-130	27		30
cis-1,3-Dichloropropene	109		82		70-130	28		30
1,1-Dichloropropene	108		101		70-130	7		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	101		102		70-130	1		30
Benzene	103		107		70-130	4		30
Toluene	103		102		70-130	1		30
Ethylbenzene	102		103		70-130	1		30
Chloromethane	114		76		52-130	**40**	Q	30
Bromomethane	115		88		57-147	27		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1254119-3 WG1254119-4								
Vinyl chloride	118		92		67-130	25		30
Chloroethane	129		97		50-151	28		30
1,1-Dichloroethene	103		77		65-135	29		30
trans-1,2-Dichloroethene	102		78		70-130	27		30
Trichloroethene	103		74		70-130	**33**	Q	30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	100		102		70-130	2		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	107		82		66-130	26		30
p/m-Xylene	104		105		70-130	1		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	102		78		70-130	27		30
Dibromomethane	107		80		70-130	29		30
Styrene	108		109		70-130	1		30
Dichlorodifluoromethane	118		77		30-146	**42**	Q	30
Acetone	109		77		54-140	**34**	Q	30
Carbon disulfide	96		73		59-130	27		30
2-Butanone	105		103		70-130	2		30
Vinyl acetate	112		85		70-130	27		30
4-Methyl-2-pentanone	130		103		70-130	23		30
1,2,3-Trichloropropane	100		104		68-130	4		30
2-Hexanone	105		105		70-130	0		30
Bromochloromethane	105		102		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1254119-3 WG1254119-4								
2,2-Dichloropropane	106		81		70-130	27		30
1,2-Dibromoethane	103		104		70-130	1		30
1,3-Dichloropropane	105		106		69-130	1		30
1,1,1,2-Tetrachloroethane	101		102		70-130	1		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	106		104		70-130	2		30
sec-Butylbenzene	104		102		70-130	2		30
tert-Butylbenzene	101		101		70-130	0		30
o-Chlorotoluene	101		100		70-130	1		30
p-Chlorotoluene	101		100		70-130	1		30
1,2-Dibromo-3-chloropropane	102		99		68-130	3		30
Hexachlorobutadiene	98		99		67-130	1		30
Isopropylbenzene	101		101		70-130	0		30
p-Isopropyltoluene	103		103		70-130	0		30
Naphthalene	102		103		70-130	1		30
Acrylonitrile	112		85		70-130	27		30
n-Propylbenzene	101		100		70-130	1		30
1,2,3-Trichlorobenzene	99		102		70-130	3		30
1,2,4-Trichlorobenzene	99		99		70-130	0		30
1,3,5-Trimethylbenzene	102		102		70-130	0		30
1,2,4-Trimethylbenzene	102		103		70-130	1		30
1,4-Dioxane	106		81		65-136	27		30
p-Diethylbenzene	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1254119-3 WG1254119-4								
p-Ethyltoluene	102		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	108		82		67-130	27		30
trans-1,4-Dichloro-2-butene	109		109		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		97		70-130
Toluene-d8	103		99		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1254583-3 WG1254583-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	97		97		67-130	0		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	96		94		70-130	2		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	92		92		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	93		85		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1254583-3 WG1254583-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	99		93		55-138	6		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		94		70-130	5		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	100		110		70-130	10		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	100		95		58-148	5		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	93		94		63-138	1		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	98		98		59-130	0		20
2-Hexanone	91		95		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1254583-3 WG1254583-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		99		64-130	1		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	88		88		41-144	0		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	120		110		70-130	9		20
p-Isopropyltoluene	120		110		70-130	9		20
Naphthalene	92		98		70-130	6		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	102		110		56-162	8		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1254583-3 WG1254583-4								
p-Ethyltoluene	120		110		70-130	9		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/29/19 23:26
Analyst: KR
Percent Solids: 79%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		21-120
Phenol-d6	81		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	99		33-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/02/19 07:31
Analyst: RC
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	130	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	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	920		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	750		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	1300		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	400		ug/kg	120	24.	1
Benzo(a)pyrene	600		ug/kg	170	51.	1
Benzo(b)fluoranthene	760		ug/kg	120	35.	1
Benzo(k)fluoranthene	210		ug/kg	120	33.	1
Chrysene	460		ug/kg	120	22.	1
Acenaphthylene	150	J	ug/kg	170	32.	1
Anthracene	250		ug/kg	120	41.	1
Benzo(ghi)perylene	700		ug/kg	170	24.	1
Fluorene	440		ug/kg	210	20.	1
Phenanthrene	1300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	81	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	520		ug/kg	170	29.	1
Pyrene	1500		ug/kg	120	21.	1
Biphenyl	300	J	ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	130	J	ug/kg	210	20.	1
2-Methylnaphthalene	2000		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	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	330		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	390		ug/kg	300	33.	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	77	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	17		10-136
4-Terphenyl-d14	63		18-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 07/10/19 10:26
Analyst: JW
Percent Solids: 79%

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	31.1	0.706	50
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	31.1	1.43	50
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	31.1	1.21	50
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	31.1	1.63	50
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	31.1	1.40	50
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	31.1	1.88	50
Perfluorooctanoic Acid (PFOA)	2.30	J	ug/kg	31.1	1.30	50
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	15.4	J	ug/kg	31.1	5.58	50
Perfluoroheptanesulfonic Acid (PFHpS)	5.68	J	ug/kg	31.1	4.24	50
Perfluorononanoic Acid (PFNA)	148		ug/kg	31.1	2.33	50
Perfluorooctanesulfonic Acid (PFOS)	1580		ug/kg	31.1	4.04	50
Perfluorodecanoic Acid (PFDA)	22.0	J	ug/kg	31.1	2.08	50
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	193		ug/kg	31.1	8.92	50
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	31.1	6.27	50
Perfluoroundecanoic Acid (PFUnA)	516		ug/kg	31.1	1.46	50
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	31.1	4.76	50
Perfluorooctanesulfonamide (FOSA)	83.0		ug/kg	31.1	3.05	50
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	31.1	2.63	50
Perfluorododecanoic Acid (PFDoA)	21.5	J	ug/kg	31.1	2.18	50
Perfluorotridecanoic Acid (PFTrDA)	186		ug/kg	31.1	6.36	50
Perfluorotetradecanoic Acid (PFTA)	7.51	J	ug/kg	31.1	1.68	50
PFOA/PFOS, Total	1580	J	ug/kg	31.1	1.30	50

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		26-160

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/29/19 23:53
Analyst: KR
Percent Solids: 72%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	96		33-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D2
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 07/10/19 11:07
Analyst: JW
Percent Solids: 72%

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanoic Acid (PFOA)	86.0	J	ug/kg	1520	63.8	2500
Perfluorooctanesulfonic Acid (PFOS)	66400		ug/kg	1520	198.	2500
PFOA/PFOS, Total	66500	J	ug/kg	304	12.8	2500

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-152
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/19 22:28
Analyst: CB
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	740	96.	4
1,2,4-Trichlorobenzene	ND		ug/kg	920	100	4
Hexachlorobenzene	ND		ug/kg	550	100	4
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	4
2-Chloronaphthalene	ND		ug/kg	920	92.	4
1,2-Dichlorobenzene	ND		ug/kg	920	160	4
1,3-Dichlorobenzene	ND		ug/kg	920	160	4
1,4-Dichlorobenzene	ND		ug/kg	920	160	4
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	4
2,4-Dinitrotoluene	ND		ug/kg	920	180	4
2,6-Dinitrotoluene	ND		ug/kg	920	160	4
Fluoranthene	180	J	ug/kg	550	110	4
4-Chlorophenyl phenyl ether	ND		ug/kg	920	99.	4
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	4
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	93.	4
Hexachlorobutadiene	ND		ug/kg	920	140	4
Hexachlorocyclopentadiene	ND		ug/kg	2600	840	4
Hexachloroethane	ND		ug/kg	740	150	4
Isophorone	ND		ug/kg	830	120	4
Naphthalene	ND		ug/kg	920	110	4
Nitrobenzene	ND		ug/kg	830	140	4
NDPA/DPA	ND		ug/kg	740	100	4
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	4
Bis(2-ethylhexyl)phthalate	1700		ug/kg	920	320	4
Butyl benzyl phthalate	ND		ug/kg	920	230	4
Di-n-butylphthalate	ND		ug/kg	920	180	4
Di-n-octylphthalate	ND		ug/kg	920	310	4

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	920	86.	4
Dimethyl phthalate	ND		ug/kg	920	190	4
Benzo(a)anthracene	ND		ug/kg	550	100	4
Benzo(a)pyrene	ND		ug/kg	740	220	4
Benzo(b)fluoranthene	ND		ug/kg	550	160	4
Benzo(k)fluoranthene	ND		ug/kg	550	150	4
Chrysene	100	J	ug/kg	550	96.	4
Acenaphthylene	ND		ug/kg	740	140	4
Anthracene	ND		ug/kg	550	180	4
Benzo(ghi)perylene	ND		ug/kg	740	110	4
Fluorene	92	J	ug/kg	920	90.	4
Phenanthrene	230	J	ug/kg	550	110	4
Dibenzo(a,h)anthracene	ND		ug/kg	550	110	4
Indeno(1,2,3-cd)pyrene	ND		ug/kg	740	130	4
Pyrene	160	J	ug/kg	550	92.	4
Biphenyl	ND		ug/kg	2100	210	4
4-Chloroaniline	ND		ug/kg	920	170	4
2-Nitroaniline	ND		ug/kg	920	180	4
3-Nitroaniline	ND		ug/kg	920	170	4
4-Nitroaniline	ND		ug/kg	920	380	4
Dibenzofuran	ND		ug/kg	920	87.	4
2-Methylnaphthalene	200	J	ug/kg	1100	110	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	4
Acetophenone	ND		ug/kg	920	110	4
2,4,6-Trichlorophenol	ND		ug/kg	550	180	4
p-Chloro-m-cresol	ND		ug/kg	920	140	4
2-Chlorophenol	ND		ug/kg	920	110	4
2,4-Dichlorophenol	ND		ug/kg	830	150	4
2,4-Dimethylphenol	ND		ug/kg	920	300	4
2-Nitrophenol	ND		ug/kg	2000	350	4
4-Nitrophenol	ND		ug/kg	1300	380	4
2,4-Dinitrophenol	ND		ug/kg	4400	430	4
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	4
Pentachlorophenol	ND		ug/kg	740	200	4
Phenol	ND		ug/kg	920	140	4
2-Methylphenol	ND		ug/kg	920	140	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	4

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	920	180	4
Benzoic Acid	ND		ug/kg	3000	940	4
Benzyl Alcohol	ND		ug/kg	920	280	4
Carbazole	ND		ug/kg	920	90.	4
1,4-Dioxane	ND		ug/kg	140	42.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	41		10-136
4-Terphenyl-d14	40		18-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 07/10/19 10:42
Analyst: JW
Percent Solids: 72%

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	304	6.91	500
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	304	14.0	500
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	304	11.9	500
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	304	16.0	500
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	304	13.7	500
Perfluorohexanesulfonic Acid (PFHxS)	51.8	J	ug/kg	304	18.4	500
Perfluorooctanoic Acid (PFOA)	74.4	J	ug/kg	304	12.8	500
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	535		ug/kg	304	54.7	500
Perfluoroheptanesulfonic Acid (PFHpS)	250	J	ug/kg	304	41.6	500
Perfluorononanoic Acid (PFNA)	6250		ug/kg	304	22.8	500
Perfluorooctanesulfonic Acid (PFOS)	61500	E	ug/kg	304	39.6	500
Perfluorodecanoic Acid (PFDA)	706		ug/kg	304	20.4	500
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	5790		ug/kg	304	87.4	500
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	304	61.4	500
Perfluoroundecanoic Acid (PFUnA)	16400		ug/kg	304	14.2	500
Perfluorodecanesulfonic Acid (PFDS)	117	J	ug/kg	304	46.6	500
Perfluorooctanesulfonamide (FOSA)	3770		ug/kg	304	29.8	500
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	304	25.7	500
Perfluorododecanoic Acid (PFDoA)	451		ug/kg	304	21.3	500
Perfluorotridecanoic Acid (PFTrDA)	2880		ug/kg	304	62.3	500
Perfluorotetradecanoic Acid (PFTA)	44.8	J	ug/kg	304	16.4	500

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 D
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**153**	Q	70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	159		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	180		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		26-160

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/19 00:19
Analyst: KR
Percent Solids: 58%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	88		33-120

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 07/10/19 10:09
Analyst: JW
Percent Solids: 58%

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.058	J	ug/kg	0.770	0.018	1
Perfluoropentanoic Acid (PFPeA)	0.136	J	ug/kg	0.770	0.035	1
Perfluorobutanesulfonic Acid (PFBS)	0.220	J	ug/kg	0.770	0.030	1
Perfluorohexanoic Acid (PFHxA)	0.294	J	ug/kg	0.770	0.040	1
Perfluoroheptanoic Acid (PFHpA)	0.230	J	ug/kg	0.770	0.035	1
Perfluorohexanesulfonic Acid (PFHxS)	2.91		ug/kg	0.770	0.047	1
Perfluorooctanoic Acid (PFOA)	1.48		ug/kg	0.770	0.032	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.746	J	ug/kg	0.770	0.138	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.376	J	ug/kg	0.770	0.105	1
Perfluorononanoic Acid (PFNA)	1.31		ug/kg	0.770	0.058	1
Perfluorooctanesulfonic Acid (PFOS)	70.5		ug/kg	0.770	0.100	1
Perfluorodecanoic Acid (PFDA)	3.88		ug/kg	0.770	0.052	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2.38		ug/kg	0.770	0.221	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.84		ug/kg	0.770	0.155	1
Perfluoroundecanoic Acid (PFUnA)	4.65		ug/kg	0.770	0.036	1
Perfluorodecanesulfonic Acid (PFDS)	0.215	J	ug/kg	0.770	0.118	1
Perfluorooctanesulfonamide (FOSA)	2.16		ug/kg	0.770	0.075	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.35		ug/kg	0.770	0.065	1
Perfluorododecanoic Acid (PFDoA)	3.01		ug/kg	0.770	0.054	1
Perfluorotridecanoic Acid (PFTrDA)	2.40		ug/kg	0.770	0.157	1
Perfluorotetradecanoic Acid (PFTA)	1.03		ug/kg	0.770	0.042	1
PFOA/PFOS, Total	72.0		ug/kg	0.770	0.032	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	61		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	65		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	75		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**217**	Q	32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	71		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**258**	Q	25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		26-160

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 D
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/19 22:03
Analyst: CB
Percent Solids: 58%

Extraction Method: EPA 3546
Extraction Date: 06/29/19 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	450	58.	2
1,2,4-Trichlorobenzene	ND		ug/kg	560	64.	2
Hexachlorobenzene	ND		ug/kg	340	62.	2
Bis(2-chloroethyl)ether	ND		ug/kg	500	76.	2
2-Chloronaphthalene	ND		ug/kg	560	55.	2
1,2-Dichlorobenzene	ND		ug/kg	560	100	2
1,3-Dichlorobenzene	ND		ug/kg	560	96.	2
1,4-Dichlorobenzene	ND		ug/kg	560	98.	2
3,3'-Dichlorobenzidine	ND		ug/kg	560	150	2
2,4-Dinitrotoluene	ND		ug/kg	560	110	2
2,6-Dinitrotoluene	ND		ug/kg	560	96.	2
Fluoranthene	280	J	ug/kg	340	64.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	560	60.	2
4-Bromophenyl phenyl ether	ND		ug/kg	560	85.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	670	95.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	600	56.	2
Hexachlorobutadiene	ND		ug/kg	560	82.	2
Hexachlorocyclopentadiene	ND		ug/kg	1600	500	2
Hexachloroethane	ND		ug/kg	450	90.	2
Isophorone	ND		ug/kg	500	72.	2
Naphthalene	1300		ug/kg	560	68.	2
Nitrobenzene	ND		ug/kg	500	83.	2
NDPA/DPA	ND		ug/kg	450	64.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	560	86.	2
Bis(2-ethylhexyl)phthalate	2600		ug/kg	560	190	2
Butyl benzyl phthalate	ND		ug/kg	560	140	2
Di-n-butylphthalate	ND		ug/kg	560	100	2
Di-n-octylphthalate	ND		ug/kg	560	190	2

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 D
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	560	52.	2
Dimethyl phthalate	ND		ug/kg	560	120	2
Benzo(a)anthracene	99	J	ug/kg	340	63.	2
Benzo(a)pyrene	ND		ug/kg	450	140	2
Benzo(b)fluoranthene	150	J	ug/kg	340	94.	2
Benzo(k)fluoranthene	ND		ug/kg	340	89.	2
Chrysene	370		ug/kg	340	58.	2
Acenaphthylene	210	J	ug/kg	450	86.	2
Anthracene	180	J	ug/kg	340	110	2
Benzo(ghi)perylene	71	J	ug/kg	450	66.	2
Fluorene	240	J	ug/kg	560	54.	2
Phenanthrene	1200		ug/kg	340	68.	2
Dibenzo(a,h)anthracene	ND		ug/kg	340	64.	2
Indeno(1,2,3-cd)pyrene	190	J	ug/kg	450	78.	2
Pyrene	1200		ug/kg	340	56.	2
Biphenyl	2400		ug/kg	1300	130	2
4-Chloroaniline	ND		ug/kg	560	100	2
2-Nitroaniline	ND		ug/kg	560	110	2
3-Nitroaniline	ND		ug/kg	560	100	2
4-Nitroaniline	ND		ug/kg	560	230	2
Dibenzofuran	190	J	ug/kg	560	53.	2
2-Methylnaphthalene	640	J	ug/kg	670	67.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	560	58.	2
Acetophenone	2900		ug/kg	560	69.	2
2,4,6-Trichlorophenol	ND		ug/kg	340	100	2
p-Chloro-m-cresol	ND		ug/kg	560	83.	2
2-Chlorophenol	ND		ug/kg	560	66.	2
2,4-Dichlorophenol	ND		ug/kg	500	90.	2
2,4-Dimethylphenol	ND		ug/kg	560	180	2
2-Nitrophenol	ND		ug/kg	1200	210	2
4-Nitrophenol	ND		ug/kg	780	230	2
2,4-Dinitrophenol	ND		ug/kg	2700	260	2
4,6-Dinitro-o-cresol	ND		ug/kg	1400	270	2
Pentachlorophenol	ND		ug/kg	450	120	2
Phenol	900		ug/kg	560	84.	2
2-Methylphenol	96	J	ug/kg	560	86.	2
3-Methylphenol/4-Methylphenol	500	J	ug/kg	800	87.	2

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 D
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	560	110	2
Benzoic Acid	1300	J	ug/kg	1800	560	2
Benzyl Alcohol	ND		ug/kg	560	170	2
Carbazole	160	J	ug/kg	560	54.	2
1,4-Dioxane	130		ug/kg	84	26.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**24**	Q	25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	31		10-136
4-Terphenyl-d14	33		18-120

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/03/19 23:15
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/02/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	400	81.6	1
Perfluoropentanoic Acid (PFPeA)	267	J	ng/l	400	79.2	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	400	47.6	1
Perfluorohexanoic Acid (PFHxA)	385	J	ng/l	400	65.6	1
Perfluoroheptanoic Acid (PFHpA)	116	J	ng/l	400	45.0	1
Perfluorohexanesulfonic Acid (PFHxS)	1370		ng/l	400	75.2	1
Perfluorooctanoic Acid (PFOA)	1160		ng/l	400	47.2	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9810		ng/l	400	266.	1
Perfluoroheptanesulfonic Acid (PFHpS)	1060		ng/l	400	138.	1
Perfluorononanoic Acid (PFNA)	21600		ng/l	400	62.4	1
Perfluorooctanesulfonic Acid (PFOS)	73000		ng/l	400	101.	1
Perfluorodecanoic Acid (PFDA)	576		ng/l	400	60.8	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	6980		ng/l	400	242.	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	400	130.	1
Perfluoroundecanoic Acid (PFUnA)	2270		ng/l	400	52.0	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	400	196.	1
Perfluorooctanesulfonamide (FOSA)	518		ng/l	400	116.	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	400	161.	1
Perfluorododecanoic Acid (PFDoA)	93.6	J	ng/l	400	74.4	1
Perfluorotridecanoic Acid (PFTrDA)	624		ng/l	400	65.4	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	400	49.6	1
PFOA/PFOS, Total	74200		ng/l	400	47.2	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 Date Collected: 06/18/19 10:45

Client ID: WC001 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/27/19 14:48
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	120	12.	25
Bis(2-chloroethyl)ether	ND		ug/l	50	13.	25
1,2-Dichlorobenzene	ND		ug/l	50	11.	25
1,3-Dichlorobenzene	ND		ug/l	50	10.	25
1,4-Dichlorobenzene	ND		ug/l	50	11.	25
3,3'-Dichlorobenzidine	ND		ug/l	120	40.	25
2,4-Dinitrotoluene	ND		ug/l	120	29.	25
2,6-Dinitrotoluene	ND		ug/l	120	23.	25
4-Chlorophenyl phenyl ether	ND		ug/l	50	12.	25
4-Bromophenyl phenyl ether	ND		ug/l	50	9.4	25
Bis(2-chloroisopropyl)ether	ND		ug/l	50	13.	25
Bis(2-chloroethoxy)methane	ND		ug/l	120	12.	25
Hexachlorocyclopentadiene	ND		ug/l	500	17.	25
Isophorone	ND		ug/l	120	30.	25
Nitrobenzene	ND		ug/l	50	19.	25
NDPA/DPA	ND		ug/l	50	10.	25
n-Nitrosodi-n-propylamine	ND		ug/l	120	16.	25
Bis(2-ethylhexyl)phthalate	ND		ug/l	75	38.	25
Butyl benzyl phthalate	ND		ug/l	120	29.	25
Di-n-butylphthalate	ND		ug/l	120	9.7	25
Di-n-octylphthalate	ND		ug/l	120	32.	25
Diethyl phthalate	ND		ug/l	120	9.5	25
Dimethyl phthalate	ND		ug/l	120	45.	25
Biphenyl	400		ug/l	50	11.	25
4-Chloroaniline	ND		ug/l	120	27.	25
2-Nitroaniline	ND		ug/l	120	12.	25
3-Nitroaniline	ND		ug/l	120	20.	25
4-Nitroaniline	ND		ug/l	120	20.	25

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	50	12.	25
1,2,4,5-Tetrachlorobenzene	ND		ug/l	250	11.	25
Acetophenone	ND		ug/l	120	13.	25
2,4,6-Trichlorophenol	ND		ug/l	120	15.	25
p-Chloro-m-cresol	ND		ug/l	50	8.8	25
2-Chlorophenol	ND		ug/l	50	12.	25
2,4-Dichlorophenol	ND		ug/l	120	10.	25
2,4-Dimethylphenol	ND		ug/l	120	44.	25
2-Nitrophenol	ND		ug/l	250	21.	25
4-Nitrophenol	ND		ug/l	250	17.	25
2,4-Dinitrophenol	ND		ug/l	500	170	25
4,6-Dinitro-o-cresol	ND		ug/l	250	45.	25
Phenol	ND		ug/l	120	14.	25
2-Methylphenol	ND		ug/l	120	12.	25
3-Methylphenol/4-Methylphenol	ND		ug/l	120	12.	25
2,4,5-Trichlorophenol	ND		ug/l	120	19.	25
Benzoic Acid	ND		ug/l	1200	66.	25
Benzyl Alcohol	ND		ug/l	50	15.	25
Carbazole	ND		ug/l	50	12.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/19 17:03
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	36		ug/l	10	1.4	100
2-Chloronaphthalene	ND		ug/l	20	1.8	100
Fluoranthene	ND		ug/l	10	2.0	100
Hexachlorobutadiene	ND		ug/l	50	4.7	100
Naphthalene	670		ug/l	10	4.9	100
Benzo(a)anthracene	4.3	J	ug/l	10	2.0	100
Benzo(a)pyrene	ND		ug/l	10	1.5	100
Benzo(b)fluoranthene	ND		ug/l	10	1.2	100
Benzo(k)fluoranthene	ND		ug/l	10	0.89	100
Chrysene	3.9	J	ug/l	10	1.2	100
Acenaphthylene	ND		ug/l	10	1.2	100
Anthracene	51		ug/l	10	1.4	100
Benzo(ghi)perylene	3.7	J	ug/l	10	1.4	100
Fluorene	120		ug/l	10	1.4	100
Phenanthrene	150		ug/l	10	2.3	100
Dibenzo(a,h)anthracene	ND		ug/l	10	1.3	100
Indeno(1,2,3-cd)pyrene	3.3	J	ug/l	10	1.2	100
Pyrene	ND		ug/l	10	1.9	100
2-Methylnaphthalene	1800		ug/l	10	2.2	100
Pentachlorophenol	ND		ug/l	80	1.4	100
Hexachlorobenzene	ND		ug/l	80	0.94	100
Hexachloroethane	ND		ug/l	80	6.3	100

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/03/19 23:31
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/02/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	234		ng/l	200	40.8	1
Perfluoropentanoic Acid (PFPeA)	706		ng/l	200	39.6	1
Perfluorobutanesulfonic Acid (PFBS)	44.0	J	ng/l	200	23.8	1
Perfluorohexanoic Acid (PFHxA)	1260		ng/l	200	32.8	1
Perfluoroheptanoic Acid (PFHpA)	454		ng/l	200	22.5	1
Perfluorohexanesulfonic Acid (PFHxS)	1240		ng/l	200	37.6	1
Perfluorooctanoic Acid (PFOA)	1530		ng/l	200	23.6	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16700		ng/l	200	133.	1
Perfluoroheptanesulfonic Acid (PFHpS)	200		ng/l	200	68.8	1
Perfluorononanoic Acid (PFNA)	6600		ng/l	200	31.2	1
Perfluorooctanesulfonic Acid (PFOS)	9080		ng/l	200	50.4	1
Perfluorodecanoic Acid (PFDA)	491		ng/l	200	30.4	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	8460		ng/l	200	121.	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	200	64.8	1
Perfluoroundecanoic Acid (PFUnA)	812		ng/l	200	26.0	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	200	98.0	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	200	58.0	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	200	80.4	1
Perfluorododecanoic Acid (PFDoA)	144	J	ng/l	200	37.2	1
Perfluorotridecanoic Acid (PFTrDA)	361		ng/l	200	32.7	1
Perfluorotetradecanoic Acid (PFTA)	75.6	J	ng/l	200	24.8	1
PFOA/PFOS, Total	10600		ng/l	200	23.6	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 Date Collected: 06/18/19 11:00

Client ID: WC002 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/01/19 14:51
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	100	10.	20
Bis(2-chloroethyl)ether	ND		ug/l	40	10.	20
1,2-Dichlorobenzene	ND		ug/l	40	9.1	20
1,3-Dichlorobenzene	ND		ug/l	40	8.1	20
1,4-Dichlorobenzene	ND		ug/l	40	8.6	20
3,3'-Dichlorobenzidine	ND		ug/l	100	32.	20
2,4-Dinitrotoluene	ND		ug/l	100	23.	20
2,6-Dinitrotoluene	ND		ug/l	100	19.	20
4-Chlorophenyl phenyl ether	ND		ug/l	40	9.7	20
4-Bromophenyl phenyl ether	ND		ug/l	40	7.6	20
Bis(2-chloroisopropyl)ether	ND		ug/l	40	10.	20
Bis(2-chloroethoxy)methane	ND		ug/l	100	10.	20
Hexachlorocyclopentadiene	ND		ug/l	400	14.	20
Isophorone	ND		ug/l	100	24.	20
Nitrobenzene	ND		ug/l	40	15.	20
NDPA/DPA	ND		ug/l	40	8.4	20
n-Nitrosodi-n-propylamine	ND		ug/l	100	13.	20
Bis(2-ethylhexyl)phthalate	47.	J	ug/l	60	31.	20
Butyl benzyl phthalate	ND		ug/l	100	23.	20
Di-n-butylphthalate	ND		ug/l	100	7.8	20
Di-n-octylphthalate	ND		ug/l	100	25.	20
Diethyl phthalate	ND		ug/l	100	7.6	20
Dimethyl phthalate	ND		ug/l	100	36.	20
Biphenyl	12.	J	ug/l	40	9.2	20
4-Chloroaniline	ND		ug/l	100	21.	20
2-Nitroaniline	ND		ug/l	100	10.	20
3-Nitroaniline	ND		ug/l	100	16.	20
4-Nitroaniline	ND		ug/l	100	16.	20

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	40	10.	20
1,2,4,5-Tetrachlorobenzene	ND		ug/l	200	8.8	20
Acetophenone	ND		ug/l	100	10.	20
2,4,6-Trichlorophenol	ND		ug/l	100	12.	20
p-Chloro-m-cresol	ND		ug/l	40	7.0	20
2-Chlorophenol	ND		ug/l	40	9.6	20
2,4-Dichlorophenol	ND		ug/l	100	8.2	20
2,4-Dimethylphenol	ND		ug/l	100	36.	20
2-Nitrophenol	ND		ug/l	200	17.	20
4-Nitrophenol	ND		ug/l	200	13.	20
2,4-Dinitrophenol	ND		ug/l	400	130	20
4,6-Dinitro-o-cresol	ND		ug/l	200	36.	20
Phenol	ND		ug/l	100	11.	20
2-Methylphenol	ND		ug/l	100	9.8	20
3-Methylphenol/4-Methylphenol	ND		ug/l	100	9.6	20
2,4,5-Trichlorophenol	ND		ug/l	100	15.	20
Benzoic Acid	ND		ug/l	1000	53.	20
Benzyl Alcohol	ND		ug/l	40	12.	20
Carbazole	ND		ug/l	40	9.8	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/19 17:19
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.9		ug/l	1.0	0.14	10
2-Chloronaphthalene	ND		ug/l	2.0	0.18	10
Fluoranthene	ND		ug/l	1.0	0.20	10
Hexachlorobutadiene	ND		ug/l	5.0	0.47	10
Naphthalene	33		ug/l	1.0	0.49	10
Benzo(a)anthracene	0.72	J	ug/l	1.0	0.20	10
Benzo(a)pyrene	0.34	J	ug/l	1.0	0.15	10
Benzo(b)fluoranthene	0.55	J	ug/l	1.0	0.12	10
Benzo(k)fluoranthene	0.24	J	ug/l	1.0	0.09	10
Chrysene	0.63	J	ug/l	1.0	0.12	10
Acenaphthylene	ND		ug/l	1.0	0.12	10
Anthracene	3.6		ug/l	1.0	0.14	10
Benzo(ghi)perylene	ND		ug/l	1.0	0.14	10
Fluorene	7.0		ug/l	1.0	0.14	10
Phenanthrene	9.4		ug/l	1.0	0.23	10
Dibenzo(a,h)anthracene	ND		ug/l	1.0	0.13	10
Indeno(1,2,3-cd)pyrene	0.43	J	ug/l	1.0	0.12	10
Pyrene	4.9		ug/l	1.0	0.19	10
2-Methylnaphthalene	64		ug/l	1.0	0.22	10
Pentachlorophenol	ND		ug/l	8.0	0.14	10
Hexachlorobenzene	ND		ug/l	8.0	0.09	10
Hexachloroethane	ND		ug/l	8.0	0.63	10

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	**135**	Q	23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	62		41-149

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/03/19 23:48
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/02/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	45.9	J	ng/l	50.0	10.2	1
Perfluoropentanoic Acid (PFPeA)	106		ng/l	50.0	9.90	1
Perfluorobutanesulfonic Acid (PFBS)	24.9	J	ng/l	50.0	5.95	1
Perfluorohexanoic Acid (PFHxA)	226		ng/l	50.0	8.20	1
Perfluoroheptanoic Acid (PFHpA)	102		ng/l	50.0	5.63	1
Perfluorohexanesulfonic Acid (PFHxS)	291		ng/l	50.0	9.40	1
Perfluorooctanoic Acid (PFOA)	363		ng/l	50.0	5.90	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	670		ng/l	50.0	33.3	1
Perfluoroheptanesulfonic Acid (PFHpS)	69.9		ng/l	50.0	17.2	1
Perfluorononanoic Acid (PFNA)	2170		ng/l	50.0	7.80	1
Perfluorooctanesulfonic Acid (PFOS)	16900		ng/l	50.0	12.6	1
Perfluorodecanoic Acid (PFDA)	222		ng/l	50.0	7.60	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	1940		ng/l	50.0	30.3	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	50.0	16.2	1
Perfluoroundecanoic Acid (PFUnA)	1870		ng/l	50.0	6.50	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	50.0	24.5	1
Perfluorooctanesulfonamide (FOSA)	191		ng/l	50.0	14.5	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	50.0	20.1	1
Perfluorododecanoic Acid (PFDoA)	25.1	J	ng/l	50.0	9.30	1
Perfluorotridecanoic Acid (PFTrDA)	124		ng/l	50.0	8.18	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	50.0	6.20	1
PFOA/PFOS, Total	17300		ng/l	50.0	5.90	1

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 Date Collected: 06/18/19 11:15

Client ID: WC003 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	124		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	131		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**186**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		33-143

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 D
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/30/19 21:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	100	10.	20
Bis(2-chloroethyl)ether	ND		ug/l	40	10.	20
1,2-Dichlorobenzene	ND		ug/l	40	9.1	20
1,3-Dichlorobenzene	ND		ug/l	40	8.1	20
1,4-Dichlorobenzene	ND		ug/l	40	8.6	20
3,3'-Dichlorobenzidine	ND		ug/l	100	32.	20
2,4-Dinitrotoluene	ND		ug/l	100	23.	20
2,6-Dinitrotoluene	ND		ug/l	100	19.	20
4-Chlorophenyl phenyl ether	ND		ug/l	40	9.7	20
4-Bromophenyl phenyl ether	ND		ug/l	40	7.6	20
Bis(2-chloroisopropyl)ether	ND		ug/l	40	10.	20
Bis(2-chloroethoxy)methane	ND		ug/l	100	10.	20
Hexachlorocyclopentadiene	ND		ug/l	400	14.	20
Isophorone	ND		ug/l	100	24.	20
Nitrobenzene	ND		ug/l	40	15.	20
NDPA/DPA	ND		ug/l	40	8.4	20
n-Nitrosodi-n-propylamine	ND		ug/l	100	13.	20
Bis(2-ethylhexyl)phthalate	ND		ug/l	60	31.	20
Butyl benzyl phthalate	ND		ug/l	100	23.	20
Di-n-butylphthalate	ND		ug/l	100	7.8	20
Di-n-octylphthalate	ND		ug/l	100	25.	20
Diethyl phthalate	ND		ug/l	100	7.6	20
Dimethyl phthalate	ND		ug/l	100	36.	20
Biphenyl	ND		ug/l	40	9.2	20
4-Chloroaniline	ND		ug/l	100	21.	20
2-Nitroaniline	ND		ug/l	100	10.	20
3-Nitroaniline	ND		ug/l	100	16.	20
4-Nitroaniline	ND		ug/l	100	16.	20

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 D
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	40	10.	20
1,2,4,5-Tetrachlorobenzene	ND		ug/l	200	8.8	20
Acetophenone	ND		ug/l	100	10.	20
2,4,6-Trichlorophenol	ND		ug/l	100	12.	20
p-Chloro-m-cresol	ND		ug/l	40	7.0	20
2-Chlorophenol	ND		ug/l	40	9.6	20
2,4-Dichlorophenol	ND		ug/l	100	8.2	20
2,4-Dimethylphenol	ND		ug/l	100	36.	20
2-Nitrophenol	ND		ug/l	200	17.	20
4-Nitrophenol	ND		ug/l	200	13.	20
2,4-Dinitrophenol	ND		ug/l	400	130	20
4,6-Dinitro-o-cresol	ND		ug/l	200	36.	20
Phenol	ND		ug/l	100	11.	20
2-Methylphenol	ND		ug/l	100	9.8	20
3-Methylphenol/4-Methylphenol	ND		ug/l	100	9.6	20
2,4,5-Trichlorophenol	ND		ug/l	100	15.	20
Benzoic Acid	ND		ug/l	1000	53.	20
Benzyl Alcohol	ND		ug/l	40	12.	20
Carbazole	ND		ug/l	40	9.8	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 D
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/19 17:35
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 15:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	2.7		ug/l	2.5	0.36	25
2-Chloronaphthalene	ND		ug/l	5.0	0.45	25
Fluoranthene	1.5	J	ug/l	2.5	0.51	25
Hexachlorobutadiene	ND		ug/l	12	1.2	25
Naphthalene	68		ug/l	2.5	1.2	25
Benzo(a)anthracene	ND		ug/l	2.5	0.50	25
Benzo(a)pyrene	ND		ug/l	2.5	0.37	25
Benzo(b)fluoranthene	ND		ug/l	2.5	0.29	25
Benzo(k)fluoranthene	ND		ug/l	2.5	0.22	25
Chrysene	ND		ug/l	2.5	0.30	25
Acenaphthylene	1.5	J	ug/l	2.5	0.30	25
Anthracene	3.5		ug/l	2.5	0.36	25
Benzo(ghi)perylene	ND		ug/l	2.5	0.34	25
Fluorene	5.7		ug/l	2.5	0.36	25
Phenanthrene	11		ug/l	2.5	0.58	25
Dibenzo(a,h)anthracene	ND		ug/l	2.5	0.32	25
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.5	0.30	25
Pyrene	6.8		ug/l	2.5	0.48	25
2-Methylnaphthalene	120		ug/l	2.5	0.55	25
Pentachlorophenol	ND		ug/l	20	0.36	25
Hexachlorobenzene	ND		ug/l	20	0.23	25
Hexachloroethane	ND		ug/l	20	1.6	25

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 D
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/24/19 05:13
Analyst: KR
TCLP/SPLP Extraction Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:44

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1251873-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	81		33-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/26/19 07:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1251986-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/26/19 07:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1251986-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/26/19 07:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1251986-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	87		41-149

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/26/19 17:27
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1251990-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/26/19 17:27
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/23/19 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1251990-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	93		41-149

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/30/19 12:24
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 06/28/19 14:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1254550-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/30/19 12:24
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 06/28/19 14:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1254550-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/30/19 12:24
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 06/28/19 14:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1254550-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	92		18-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/19 21:25
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/01/19 01:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1255084-1					
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: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/19 21:25
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/01/19 01:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1255084-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	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: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/19 21:25
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/01/19 01:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1255084-1					
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.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	73		18-120

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 07/04/19 03:40
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/02/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-06 Batch: WG1255587-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 07/04/19 03:40
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/02/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-06 Batch: WG1255587-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 07/10/19 05:00
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1257219-1					
Perfluorobutanoic Acid (PFBA)	0.038	J	ug/kg	0.500	0.011
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.023
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.020
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.026
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.030
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.021
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.090
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.068
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.038
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.065
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.034
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.144
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.101
Perfluoroundecanoic Acid (PFUnA)	0.178	J	ug/kg	0.500	0.023
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.077
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.049
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.042
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.035
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.102
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.027
PFOA/PFOS, Total	ND		ug/kg	0.500	0.021

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 07/10/19 05:00
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 07/08/19 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1257219-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	78		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1251873-2 WG1251873-3								
Hexachlorobenzene	74		81		40-140	9		30
2,4-Dinitrotoluene	90		96		40-132	6		30
Hexachlorobutadiene	63		66		28-111	5		30
Hexachloroethane	70		72		21-105	3		30
Nitrobenzene	90		94		40-140	4		30
2,4,6-Trichlorophenol	74		79		30-130	7		30
Pentachlorophenol	67		74		9-103	10		30
2-Methylphenol	78		84		30-130	7		30
3-Methylphenol/4-Methylphenol	89		92		30-130	3		30
2,4,5-Trichlorophenol	77		83		30-130	8		30
Pyridine	59		57		10-66	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		81		21-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	68		74		15-120
2,4,6-Tribromophenol	80		90		10-120
4-Terphenyl-d14	79		88		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1251986-2 WG1251986-3								
Acenaphthene	89		88		37-111	1		30
1,2,4-Trichlorobenzene	83		87		39-98	5		30
Hexachlorobenzene	73		72		40-140	1		30
Bis(2-chloroethyl)ether	90		97		40-140	7		30
2-Chloronaphthalene	93		94		40-140	1		30
1,2-Dichlorobenzene	79		84		40-140	6		30
1,3-Dichlorobenzene	74		82		40-140	10		30
1,4-Dichlorobenzene	75		83		36-97	10		30
3,3'-Dichlorobenzidine	75		74		40-140	1		30
2,4-Dinitrotoluene	106		106		48-143	0		30
2,6-Dinitrotoluene	104		105		40-140	1		30
Fluoranthene	93		93		40-140	0		30
4-Chlorophenyl phenyl ether	91		88		40-140	3		30
4-Bromophenyl phenyl ether	81		79		40-140	3		30
Bis(2-chloroisopropyl)ether	79		83		40-140	5		30
Bis(2-chloroethoxy)methane	104		109		40-140	5		30
Hexachlorobutadiene	74		77		40-140	4		30
Hexachlorocyclopentadiene	81		86		40-140	6		30
Hexachloroethane	86		92		40-140	7		30
Isophorone	101		106		40-140	5		30
Naphthalene	88		91		40-140	3		30
Nitrobenzene	101		105		40-140	4		30
NDPA/DPA	97		92		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1251986-2 WG1251986-3								
n-Nitrosodi-n-propylamine	108		113		29-132	5		30
Bis(2-ethylhexyl)phthalate	99		97		40-140	2		30
Butyl benzyl phthalate	100		95		40-140	5		30
Di-n-butylphthalate	94		95		40-140	1		30
Di-n-octylphthalate	111		105		40-140	6		30
Diethyl phthalate	104		100		40-140	4		30
Dimethyl phthalate	115		115		40-140	0		30
Benzo(a)anthracene	103		101		40-140	2		30
Benzo(a)pyrene	84		83		40-140	1		30
Benzo(b)fluoranthene	100		98		40-140	2		30
Benzo(k)fluoranthene	95		92		40-140	3		30
Chrysene	89		90		40-140	1		30
Acenaphthylene	104		103		45-123	1		30
Anthracene	94		97		40-140	3		30
Benzo(ghi)perylene	101		103		40-140	2		30
Fluorene	94		94		40-140	0		30
Phenanthrene	87		90		40-140	3		30
Dibenzo(a,h)anthracene	94		94		40-140	0		30
Indeno(1,2,3-cd)pyrene	90		82		40-140	9		30
Pyrene	91		91		26-127	0		30
Biphenyl	95		94		40-140	1		30
4-Chloroaniline	76		87		40-140	13		30
2-Nitroaniline	98		100		52-143	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1251986-2 WG1251986-3								
3-Nitroaniline	80		84		25-145	5		30
4-Nitroaniline	83		85		51-143	2		30
Dibenzofuran	90		90		40-140	0		30
2-Methylnaphthalene	90		93		40-140	3		30
1,2,4,5-Tetrachlorobenzene	78		81		2-134	4		30
Acetophenone	96		101		39-129	5		30
2,4,6-Trichlorophenol	90		94		30-130	4		30
p-Chloro-m-cresol	**102**	Q	**106**	Q	23-97	4		30
2-Chlorophenol	91		98		27-123	7		30
2,4-Dichlorophenol	99		104		30-130	5		30
2,4-Dimethylphenol	79		70		30-130	12		30
2-Nitrophenol	98		108		30-130	10		30
4-Nitrophenol	78		78		10-80	0		30
2,4-Dinitrophenol	98		98		20-130	0		30
4,6-Dinitro-o-cresol	107		107		20-164	0		30
Pentachlorophenol	86		82		9-103	5		30
Phenol	70		73		12-110	4		30
2-Methylphenol	92		95		30-130	3		30
3-Methylphenol/4-Methylphenol	91		94		30-130	3		30
2,4,5-Trichlorophenol	93		95		30-130	2		30
Benzoic Acid	94		90		10-164	4		30
Benzyl Alcohol	91		98		26-116	7		30
Carbazole	94		94		55-144	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1251986-2 WG1251986-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		83		21-120
Phenol-d6	67		72		10-120
Nitrobenzene-d5	105		113		23-120
2-Fluorobiphenyl	90		91		15-120
2,4,6-Tribromophenol	71		69		10-120
4-Terphenyl-d14	87		86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1251990-2 WG1251990-3								
Acenaphthene	78		89		40-140	13		40
2-Chloronaphthalene	79		90		40-140	13		40
Fluoranthene	78		89		40-140	13		40
Hexachlorobutadiene	66		79		40-140	18		40
Naphthalene	74		88		40-140	17		40
Benzo(a)anthracene	80		91		40-140	13		40
Benzo(a)pyrene	82		94		40-140	14		40
Benzo(b)fluoranthene	84		94		40-140	11		40
Benzo(k)fluoranthene	87		96		40-140	10		40
Chrysene	78		88		40-140	12		40
Acenaphthylene	81		91		40-140	12		40
Anthracene	80		92		40-140	14		40
Benzo(ghi)perylene	77		87		40-140	12		40
Fluorene	81		91		40-140	12		40
Phenanthrene	78		89		40-140	13		40
Dibenzo(a,h)anthracene	82		93		40-140	13		40
Indeno(1,2,3-cd)pyrene	81		92		40-140	13		40
Pyrene	78		88		40-140	12		40
2-Methylnaphthalene	77		89		40-140	14		40
Pentachlorophenol	82		93		40-140	13		40
Hexachlorobenzene	84		95		40-140	12		40
Hexachloroethane	67		85		40-140	24		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1251990-2 WG1251990-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		65		21-120
Phenol-d6	48		55		10-120
Nitrobenzene-d5	81		97		23-120
2-Fluorobiphenyl	78		88		15-120
2,4,6-Tribromophenol	101		90		10-120
4-Terphenyl-d14	85		95		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1254550-2 WG1254550-3								
Acenaphthene	69		77		31-137	11		50
1,2,4-Trichlorobenzene	66		77		38-107	15		50
Hexachlorobenzene	70		78		40-140	11		50
Bis(2-chloroethyl)ether	68		77		40-140	12		50
2-Chloronaphthalene	72		81		40-140	12		50
1,2-Dichlorobenzene	63		73		40-140	15		50
1,3-Dichlorobenzene	62		71		40-140	14		50
1,4-Dichlorobenzene	63		72		28-104	13		50
3,3'-Dichlorobenzidine	63		67		40-140	6		50
2,4-Dinitrotoluene	71		79		40-132	11		50
2,6-Dinitrotoluene	75		83		40-140	10		50
Fluoranthene	72		78		40-140	8		50
4-Chlorophenyl phenyl ether	70		76		40-140	8		50
4-Bromophenyl phenyl ether	71		79		40-140	11		50
Bis(2-chloroisopropyl)ether	69		79		40-140	14		50
Bis(2-chloroethoxy)methane	72		82		40-117	13		50
Hexachlorobutadiene	70		76		40-140	8		50
Hexachlorocyclopentadiene	52		62		40-140	18		50
Hexachloroethane	68		77		40-140	12		50
Isophorone	68		79		40-140	15		50
Naphthalene	67		76		40-140	13		50
Nitrobenzene	64		75		40-140	16		50
NDPA/DPA	72		78		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1254550-2 WG1254550-3								
n-Nitrosodi-n-propylamine	69		80		32-121	15		50
Bis(2-ethylhexyl)phthalate	91		97		40-140	6		50
Butyl benzyl phthalate	79		84		40-140	6		50
Di-n-butylphthalate	79		86		40-140	8		50
Di-n-octylphthalate	89		94		40-140	5		50
Diethyl phthalate	75		81		40-140	8		50
Dimethyl phthalate	70		78		40-140	11		50
Benzo(a)anthracene	69		73		40-140	6		50
Benzo(a)pyrene	71		76		40-140	7		50
Benzo(b)fluoranthene	61		69		40-140	12		50
Benzo(k)fluoranthene	82		83		40-140	1		50
Chrysene	77		85		40-140	10		50
Acenaphthylene	73		81		40-140	10		50
Anthracene	72		80		40-140	11		50
Benzo(ghi)perylene	72		77		40-140	7		50
Fluorene	72		80		40-140	11		50
Phenanthrene	67		74		40-140	10		50
Dibenzo(a,h)anthracene	72		82		40-140	13		50
Indeno(1,2,3-cd)pyrene	66		71		40-140	7		50
Pyrene	72		78		35-142	8		50
Biphenyl	76		84		54-104	10		50
4-Chloroaniline	72		79		40-140	9		50
2-Nitroaniline	73		82		47-134	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1254550-2 WG1254550-3								
3-Nitroaniline	63		67		26-129	6		50
4-Nitroaniline	68		75		41-125	10		50
Dibenzofuran	70		76		40-140	8		50
2-Methylnaphthalene	67		75		40-140	11		50
1,2,4,5-Tetrachlorobenzene	73		80		40-117	9		50
Acetophenone	72		83		14-144	14		50
2,4,6-Trichlorophenol	69		77		30-130	11		50
p-Chloro-m-cresol	76		84		26-103	10		50
2-Chlorophenol	69		81		25-102	16		50
2,4-Dichlorophenol	73		83		30-130	13		50
2,4-Dimethylphenol	76		86		30-130	12		50
2-Nitrophenol	69		79		30-130	14		50
4-Nitrophenol	77		80		11-114	4		50
2,4-Dinitrophenol	45		50		4-130	11		50
4,6-Dinitro-o-cresol	73		78		10-130	7		50
Pentachlorophenol	61		67		17-109	9		50
Phenol	65		70		26-90	7		50
2-Methylphenol	71		82		30-130.	14		50
3-Methylphenol/4-Methylphenol	78		90		30-130	14		50
2,4,5-Trichlorophenol	78		86		30-130	10		50
Benzoic Acid	26		35		10-110	30		50
Benzyl Alcohol	68		80		40-140	16		50
Carbazole	70		78		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1254550-2 WG1254550-3								
1,4-Dioxane	50		55		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		77		25-120
Phenol-d6	70		79		10-120
Nitrobenzene-d5	68		77		23-120
2-Fluorobiphenyl	73		80		30-120
2,4,6-Tribromophenol	72		79		10-136
4-Terphenyl-d14	73		79		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1255084-2 WG1255084-3								
Acenaphthene	74		83		31-137	11		50
1,2,4-Trichlorobenzene	73		75		38-107	3		50
Hexachlorobenzene	72		82		40-140	13		50
Bis(2-chloroethyl)ether	75		76		40-140	1		50
2-Chloronaphthalene	76		83		40-140	9		50
1,2-Dichlorobenzene	70		71		40-140	1		50
1,3-Dichlorobenzene	69		67		40-140	3		50
1,4-Dichlorobenzene	70		70		28-104	0		50
3,3'-Dichlorobenzidine	62		74		40-140	18		50
2,4-Dinitrotoluene	88		101		40-132	14		50
2,6-Dinitrotoluene	86		100		40-140	15		50
Fluoranthene	78		91		40-140	15		50
4-Chlorophenyl phenyl ether	75		83		40-140	10		50
4-Bromophenyl phenyl ether	74		85		40-140	14		50
Bis(2-chloroisopropyl)ether	89		91		40-140	2		50
Bis(2-chloroethoxy)methane	78		82		40-117	5		50
Hexachlorobutadiene	70		72		40-140	3		50
Hexachlorocyclopentadiene	89		94		40-140	5		50
Hexachloroethane	70		70		40-140	0		50
Isophorone	79		84		40-140	6		50
Naphthalene	73		78		40-140	7		50
Nitrobenzene	81		85		40-140	5		50
NDPA/DPA	79		90		36-157	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1255084-2 WG1255084-3								
n-Nitrosodi-n-propylamine	82		86		32-121	5		50
Bis(2-ethylhexyl)phthalate	79		90		40-140	13		50
Butyl benzyl phthalate	88		100		40-140	13		50
Di-n-butylphthalate	80		91		40-140	13		50
Di-n-octylphthalate	82		95		40-140	15		50
Diethyl phthalate	78		88		40-140	12		50
Dimethyl phthalate	79		90		40-140	13		50
Benzo(a)anthracene	80		92		40-140	14		50
Benzo(a)pyrene	82		93		40-140	13		50
Benzo(b)fluoranthene	79		92		40-140	15		50
Benzo(k)fluoranthene	80		91		40-140	13		50
Chrysene	75		87		40-140	15		50
Acenaphthylene	79		88		40-140	11		50
Anthracene	78		90		40-140	14		50
Benzo(ghi)perylene	78		92		40-140	16		50
Fluorene	77		87		40-140	12		50
Phenanthrene	76		87		40-140	13		50
Dibenzo(a,h)anthracene	85		99		40-140	15		50
Indeno(1,2,3-cd)pyrene	75		86		40-140	14		50
Pyrene	79		91		35-142	14		50
Biphenyl	80		88		54-104	10		50
4-Chloroaniline	74		80		40-140	8		50
2-Nitroaniline	84		97		47-134	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1255084-2 WG1255084-3								
3-Nitroaniline	70		78		26-129	11		50
4-Nitroaniline	81		94		41-125	15		50
Dibenzofuran	77		85		40-140	10		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	75		80		40-117	6		50
Acetophenone	81		84		14-144	4		50
2,4,6-Trichlorophenol	84		93		30-130	10		50
p-Chloro-m-cresol	82		93		26-103	13		50
2-Chlorophenol	75		78		25-102	4		50
2,4-Dichlorophenol	81		87		30-130	7		50
2,4-Dimethylphenol	84		89		30-130	6		50
2-Nitrophenol	83		89		30-130	7		50
4-Nitrophenol	99		**118**	Q	11-114	18		50
2,4-Dinitrophenol	73		88		4-130	19		50
4,6-Dinitro-o-cresol	99		114		10-130	14		50
Pentachlorophenol	95		109		17-109	14		50
Phenol	86		**91**	Q	26-90	6		50
2-Methylphenol	80		84		30-130.	5		50
3-Methylphenol/4-Methylphenol	80		86		30-130	7		50
2,4,5-Trichlorophenol	83		95		30-130	13		50
Benzoic Acid	**0**	Q	30		10-110	NC		50
Benzyl Alcohol	82		85		40-140	4		50
Carbazole	78		91		54-128	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1255084-2 WG1255084-3								
1,4-Dioxane	60		54		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		81		25-120
Phenol-d6	79		85		10-120
Nitrobenzene-d5	83		87		23-120
2-Fluorobiphenyl	79		85		30-120
2,4,6-Tribromophenol	80		93		10-136
4-Terphenyl-d14	79		92		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-06 Batch: WG1255587-2 WG1255587-3								
Perfluorobutanoic Acid (PFBA)	108		108		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	117		117		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	117		118		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	120		118		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	108		110		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	112		117		69-177	4		30
Perfluorooctanoic Acid (PFOA)	114		112		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		129		49-187	12		30
Perfluoroheptanesulfonic Acid (PFHpS)	128		115		61-179	11		30
Perfluorononanoic Acid (PFNA)	116		114		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	98		104		52-151	6		30
Perfluorodecanoic Acid (PFDA)	118		118		63-171	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		118		56-173	8		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	105		121		60-166	14		30
Perfluoroundecanoic Acid (PFUnA)	100		99		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	111		127		38-156	13		30
Perfluorooctanesulfonamide (FOSA)	113		114		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		104		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	105		105		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	110		105		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	124		122		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-06 Batch: WG1255587-2 WG1255587-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		93		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		102		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		101		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		125		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		132		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		76		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		92		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		81		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		78		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1257219-2 WG1257219-3								
Perfluorobutanoic Acid (PFBA)	98		103		71-135	5		30
Perfluoropentanoic Acid (PFPeA)	102		107		69-132	5		30
Perfluorobutanesulfonic Acid (PFBS)	98		104		72-128	6		30
Perfluorohexanoic Acid (PFHxA)	108		114		70-132	5		30
Perfluoroheptanoic Acid (PFHpA)	97		102		71-131	5		30
Perfluorohexanesulfonic Acid (PFHxS)	102		112		67-130	9		30
Perfluorooctanoic Acid (PFOA)	104		110		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		101		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		108		70-132	8		30
Perfluorononanoic Acid (PFNA)	105		109		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	89		96		68-136	8		30
Perfluorodecanoic Acid (PFDA)	104		110		69-133	6		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	105		108		65-137	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	101		112		63-144	10		30
Perfluoroundecanoic Acid (PFUnA)	94		98		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	104		119		59-134	13		30
Perfluorooctanesulfonamide (FOSA)	93		121		67-137	26		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		95		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	100		106		69-135	6		30
Perfluorotridecanoic Acid (PFTrDA)	104		112		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	113		117		69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1257219-2 WG1257219-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		71		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		78		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		80		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		68		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		72		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		79		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		74		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		69		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		80		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		78		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		62		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		80		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	9		15		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		74		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		65		26-160

PETROLEUM HYDROCARBONS

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 D
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/30/19 22:48
Analyst: SR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	2690		mg/kg	58.6	58.6	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	96		40-140
o-Terphenyl	96		40-140

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/30/19 21:50
Analyst: SR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	2020		mg/kg	33.1	33.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	110		40-140

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/01/19 13:50
Analyst: SR
Percent Solids: 58%

Extraction Method: EPA 3546
Extraction Date: 06/30/19 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	4490		mg/kg	161	161.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	105		40-140
o-Terphenyl	97		40-140

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 06/29/19 10:10
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 06/28/19 01:57

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-02 Batch: WG1254200-1					
Total EPH	ND		mg/kg	23.7	23.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	78		40-140

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 07/01/19 13:22
Analyst: SR

Extraction Method: EPA 3546
Extraction Date: 06/30/19 14:19

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 03 Batch: WG1255018-1					
Total EPH	ND		mg/kg	22.6	22.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	87		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1254200-2 WG1254200-3								
Total EPH	80		87		40-140	8		25
Nonane (C9)	60		66		40-140	10		25
Decane (C10)	68		74		40-140	8		25
Dodecane (C12)	68		75		40-140	10		25
Tetradecane (C14)	71		77		40-140	8		25
Hexadecane (C16)	73		80		40-140	9		25
Octadecane (C18)	73		80		40-140	9		25
Eicosane (C20)	74		80		40-140	8		25
Heneicosane (C21)	73		80		40-140	9		25
Docosane (C22)	74		80		40-140	8		25
Tetracosane (C24)	74		80		40-140	8		25
Hexacosane (C26)	74		81		40-140	9		25
Octacosane (C28)	74		82		40-140	10		25
Triacontane (C30)	75		84		40-140	11		25
Dotriacontane (C32)	75		84		40-140	11		25
Tetratriacontane (C34)	72		79		40-140	9		25
Hexatriacontane (C36)	73		79		40-140	8		25
Octatriacontane (C38)	68		74		40-140	8		25
Tetracontane (C40)	69		76		40-140	10		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1254200-2 WG1254200-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	70		77		40-140
o-Terphenyl	70		77		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 Batch: WG1255018-2 WG1255018-3								
Total EPH	98		91		40-140	7		25
Nonane (C9)	74		68		40-140	8		25
Decane (C10)	82		75		40-140	9		25
Dodecane (C12)	82		75		40-140	9		25
Tetradecane (C14)	83		78		40-140	6		25
Hexadecane (C16)	87		82		40-140	6		25
Octadecane (C18)	91		86		40-140	6		25
Eicosane (C20)	93		88		40-140	6		25
Heneicosane (C21)	92		88		40-140	4		25
Docosane (C22)	94		89		40-140	5		25
Tetracosane (C24)	93		89		40-140	4		25
Hexacosane (C26)	92		89		40-140	3		25
Octacosane (C28)	91		88		40-140	3		25
Triacontane (C30)	93		90		40-140	3		25
Dotriacontane (C32)	94		91		40-140	3		25
Tetratriacontane (C34)	92		87		40-140	6		25
Hexatriacontane (C36)	90		88		40-140	2		25
Octatriacontane (C38)	84		78		40-140	7		25
Tetracontane (C40)	88		76		40-140	15		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 Batch: WG1255018-2 WG1255018-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	91		87		40-140
o-Terphenyl	89		84		40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1254200-4 QC Sample: L1927915-27 Client ID: MS Sample												
Total EPH	321	260	386	**25**	Q	-	-		40-140	-		50
Nonane (C9)	1.91	7.22	3.65	51		-	-		40-140	-		50
Decane (C10)	ND	7.22	3.70	51		-	-		40-140	-		50
Dodecane (C12)	ND	7.22	4.60	64		-	-		40-140	-		50
Tetradecane (C14)	ND	7.22	4.60	64		-	-		40-140	-		50
Hexadecane (C16)	ND	7.22	4.37	61		-	-		40-140	-		50
Octadecane (C18)	ND	7.22	4.07	56		-	-		40-140	-		50
Eicosane (C20)	ND	7.22	4.05	56		-	-		40-140	-		50
Heneicosane (C21)	ND	7.22	4.03	56		-	-		40-140	-		50
Docosane (C22)	ND	7.22	3.98	55		-	-		40-140	-		50
Tetracosane (C24)	ND	7.22	4.03	56		-	-		40-140	-		50
Hexacosane (C26)	ND	7.22	3.92	54		-	-		40-140	-		50
Octacosane (C28)	ND	7.22	3.84	53		-	-		40-140	-		50
Triacontane (C30)	ND	7.22	3.90	54		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.22	3.84	53		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.22	3.61	50		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.22	3.68	51		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.22	3.05	42		-	-		40-140	-		50
Tetracontane (C40)	ND	7.22	3.07	43		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	51				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1254200-4 QC Sample: L1927915-27 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	50				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1255018-4 QC Sample: L1927779-01 Client ID: MS Sample												
Total EPH	47.1	249	284	95		-	-		40-140	-		50
Nonane (C9)	ND	6.91	6.02	87		-	-		40-140	-		50
Decane (C10)	ND	6.91	6.76	98		-	-		40-140	-		50
Dodecane (C12)	ND	6.91	6.37	92		-	-		40-140	-		50
Tetradecane (C14)	ND	6.91	6.50	94		-	-		40-140	-		50
Hexadecane (C16)	ND	6.91	6.74	98		-	-		40-140	-		50
Octadecane (C18)	ND	6.91	6.98	101		-	-		40-140	-		50
Eicosane (C20)	ND	6.91	7.07	102		-	-		40-140	-		50
Heneicosane (C21)	ND	6.91	6.95	101		-	-		40-140	-		50
Docosane (C22)	ND	6.91	6.96	101		-	-		40-140	-		50
Tetracosane (C24)	ND	6.91	6.80	98		-	-		40-140	-		50
Hexacosane (C26)	ND	6.91	7.06	102		-	-		40-140	-		50
Octacosane (C28)	ND	6.91	7.02	102		-	-		40-140	-		50
Triacontane (C30)	ND	6.91	7.20	104		-	-		40-140	-		50
Dotriacontane (C32)	ND	6.91	7.11	103		-	-		40-140	-		50
Tetratriacontane (C34)	ND	6.91	6.92	100		-	-		40-140	-		50
Hexatriacontane (C36)	ND	6.91	6.81	99		-	-		40-140	-		50
Octatriacontane (C38)	ND	6.91	6.46	93		-	-		40-140	-		50
Tetracontane (C40)	ND	6.91	6.33	92		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	98				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample	Associated sample(s): 03		QC Batch ID: WG1255018-4			QC Sample: L1927779-01			Client ID:			

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	98				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1254200-5 QC Sample: L1927915-27 Client ID: DUP Sample						
Total EPH	321	410	mg/kg	24		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		81		40-140
o-Terphenyl	73		79		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1255018-5 QC Sample: L1927779-01 Client ID: DUP Sample						
Total EPH	47.1	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	89		70		40-140
o-Terphenyl	90		70		40-140

PCBS

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/19 17:14
Analyst: WR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 13:18
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	43.0		ug/kg	41.6	6.25	1	B
Aroclor 1254	47.7		ug/kg	41.6	4.56	1	B
Aroclor 1260	13.2	J	ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	104	J	ug/kg	41.6	3.70	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/19 17:27
Analyst: WR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 13:18
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.8	3.98	1	A
Aroclor 1221	ND		ug/kg	44.8	4.49	1	A
Aroclor 1232	ND		ug/kg	44.8	9.50	1	A
Aroclor 1242	ND		ug/kg	44.8	6.04	1	A
Aroclor 1248	ND		ug/kg	44.8	6.72	1	A
Aroclor 1254	81.5		ug/kg	44.8	4.90	1	A
Aroclor 1260	28.2	J	ug/kg	44.8	8.28	1	A
Aroclor 1262	ND		ug/kg	44.8	5.69	1	A
Aroclor 1268	ND		ug/kg	44.8	4.64	1	A
PCBs, Total	110	J	ug/kg	44.8	3.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/19 17:40
Analyst: WR
Percent Solids: 58%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 13:18
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.2	4.81	1	A
Aroclor 1221	ND		ug/kg	54.2	5.43	1	A
Aroclor 1232	ND		ug/kg	54.2	11.5	1	A
Aroclor 1242	ND		ug/kg	54.2	7.31	1	A
Aroclor 1248	ND		ug/kg	54.2	8.13	1	A
Aroclor 1254	ND		ug/kg	54.2	5.93	1	A
Aroclor 1260	ND		ug/kg	54.2	10.0	1	A
Aroclor 1262	ND		ug/kg	54.2	6.89	1	A
Aroclor 1268	ND		ug/kg	54.2	5.62	1	A
PCBs, Total	ND		ug/kg	54.2	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/25/19 23:27
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:11
Cleanup Method: EPA 3665A
Cleanup Date: 06/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/25/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.414	0.172	5	A
Aroclor 1221	ND		ug/l	0.414	0.332	5	A
Aroclor 1232	ND		ug/l	0.414	0.228	5	A
Aroclor 1242	ND		ug/l	0.414	0.194	5	A
Aroclor 1248	ND		ug/l	0.414	0.245	5	A
Aroclor 1254	ND		ug/l	0.414	0.195	5	A
Aroclor 1260	ND		ug/l	0.414	0.160	5	A
Aroclor 1262	ND		ug/l	0.414	0.174	5	A
Aroclor 1268	ND		ug/l	0.414	0.168	5	A
PCBs, Total	ND		ug/l	0.414	0.160	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**732**	Q	30-150	A
Decachlorobiphenyl	**175**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**7**	Q	30-150	B
Decachlorobiphenyl	**11**	Q	30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/25/19 23:41
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:11
Cleanup Method: EPA 3665A
Cleanup Date: 06/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/25/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	**177**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**10**	Q	30-150	B
Decachlorobiphenyl	**2**	Q	30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/25/19 23:54
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:11
Cleanup Method: EPA 3665A
Cleanup Date: 06/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/25/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/25/19 22:24
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 14:05
Cleanup Method: EPA 3665A
Cleanup Date: 06/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/25/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-06 Batch: WG1251906-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/28/19 16:09
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 06/28/19 09:06
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/28/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1254385-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.52	A
Aroclor 1260	ND		ug/kg	32.1	5.94	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	58		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG1251906-2 WG1251906-3									
Aroclor 1016	61		62		40-140	2		50	A
Aroclor 1260	58		60		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		67		30-150	A
Decachlorobiphenyl	64		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		71		30-150	B
Decachlorobiphenyl	61		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

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 Batch: WG1254385-2 WG1254385-3									
Aroclor 1016	79		76		40-140	4		50	A
Aroclor 1260	74		72		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		70		30-150	B
Decachlorobiphenyl	68		68		30-150	B

PESTICIDES

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/25/19 23:31
Analyst: KEG
Percent Solids: 79%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/30/19 18:23
Analyst: KB
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 12:09
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.391	1	B
Lindane	ND		ug/kg	0.831	0.372	1	B
Alpha-BHC	ND		ug/kg	0.831	0.236	1	B
Beta-BHC	ND		ug/kg	2.00	0.756	1	B
Heptachlor	ND		ug/kg	0.998	0.447	1	B
Aldrin	ND		ug/kg	2.00	0.702	1	B
Heptachlor epoxide	ND		ug/kg	3.74	1.12	1	B
Endrin	ND		ug/kg	0.831	0.341	1	B
Endrin aldehyde	28.1	P	ug/kg	2.49	0.873	1	B
Endrin ketone	ND		ug/kg	2.00	0.514	1	B
Dieldrin	ND		ug/kg	1.25	0.623	1	B
4,4'-DDE	7.49		ug/kg	2.00	0.461	1	B
4,4'-DDD	16.4	P	ug/kg	2.00	0.712	1	B
4,4'-DDT	7.34		ug/kg	3.74	1.60	1	B
Endosulfan I	ND		ug/kg	2.00	0.471	1	B
Endosulfan II	4.77	P	ug/kg	2.00	0.667	1	B
Endosulfan sulfate	ND		ug/kg	0.831	0.396	1	B
Methoxychlor	ND		ug/kg	3.74	1.16	1	B
Toxaphene	ND		ug/kg	37.4	10.5	1	B
cis-Chlordane	4.12	P	ug/kg	2.49	0.695	1	B
trans-Chlordane	ND		ug/kg	2.49	0.658	1	B
Chlordane	87.3	P	ug/kg	16.2	6.61	1	B

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**1210**	Q	30-150	A
Decachlorobiphenyl	30		30-150	A

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/28/19 03:01
Analyst: KEG
Percent Solids: 79%
TCLP/SPLP Ext. Date: 06/20/19 04:19
Methylation Date: 06/27/19 06:54

Extraction Method: EPA 8151A
Extraction Date: 06/26/19 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	31		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/25/19 23:43
Analyst: KEG
Percent Solids: 72%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/30/19 18:36
Analyst: KB
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 12:09
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.13	0.418	1	A
Lindane	ND		ug/kg	0.889	0.398	1	A
Alpha-BHC	ND		ug/kg	0.889	0.253	1	A
Beta-BHC	ND		ug/kg	2.13	0.809	1	A
Heptachlor	ND		ug/kg	1.07	0.478	1	A
Aldrin	ND		ug/kg	2.13	0.752	1	A
Heptachlor epoxide	ND		ug/kg	4.00	1.20	1	A
Endrin	ND		ug/kg	0.889	0.365	1	A
Endrin aldehyde	ND		ug/kg	2.67	0.934	1	A
Endrin ketone	ND		ug/kg	2.13	0.550	1	A
Dieldrin	ND		ug/kg	1.33	0.667	1	A
4,4'-DDE	ND		ug/kg	2.13	0.494	1	A
4,4'-DDD	ND		ug/kg	2.13	0.761	1	A
4,4'-DDT	ND		ug/kg	4.00	1.72	1	A
Endosulfan I	ND		ug/kg	2.13	0.504	1	A
Endosulfan II	ND		ug/kg	2.13	0.713	1	A
Endosulfan sulfate	ND		ug/kg	0.889	0.423	1	A
Methoxychlor	ND		ug/kg	4.00	1.24	1	A
Toxaphene	ND		ug/kg	40.0	11.2	1	A
cis-Chlordane	ND		ug/kg	2.67	0.744	1	A
trans-Chlordane	ND		ug/kg	2.67	0.704	1	A
Chlordane	ND		ug/kg	17.3	7.07	1	A

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 Date Collected: 06/18/19 10:15

Client ID: WC002 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	41		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	**9**	Q	30-150	A

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/28/19 03:20
Analyst: KEG
Percent Solids: 72%
TCLP/SPLP Ext. Date: 06/20/19 04:19
Methylation Date: 06/27/19 06:54

Extraction Method: EPA 8151A
Extraction Date: 06/26/19 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	36		30-150	A
DCAA	31		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/25/19 23:56
Analyst: KEG
Percent Solids: 58%
TCLP/SPLP Ext. Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/30/19 18:49
Analyst: KB
Percent Solids: 58%

Extraction Method: EPA 3546
Extraction Date: 06/28/19 12:09
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.66	0.521	1	A
Lindane	ND		ug/kg	1.11	0.495	1	A
Alpha-BHC	ND		ug/kg	1.11	0.315	1	A
Beta-BHC	ND		ug/kg	2.66	1.01	1	A
Heptachlor	ND		ug/kg	1.33	0.596	1	A
Aldrin	ND		ug/kg	2.66	0.936	1	A
Heptachlor epoxide	6.52	IP	ug/kg	4.99	1.50	1	A
Endrin	ND		ug/kg	1.11	0.454	1	A
Endrin aldehyde	ND		ug/kg	3.32	1.16	1	A
Endrin ketone	ND		ug/kg	2.66	0.685	1	A
Dieldrin	ND		ug/kg	1.66	0.831	1	A
4,4'-DDE	ND		ug/kg	2.66	0.615	1	A
4,4'-DDD	ND		ug/kg	2.66	0.949	1	A
4,4'-DDT	ND		ug/kg	4.99	2.14	1	A
Endosulfan I	ND		ug/kg	2.66	0.628	1	A
Endosulfan II	ND		ug/kg	2.66	0.889	1	A
Endosulfan sulfate	ND		ug/kg	1.11	0.528	1	A
Methoxychlor	ND		ug/kg	4.99	1.55	1	A
Toxaphene	ND		ug/kg	49.9	14.0	1	A
cis-Chlordane	ND		ug/kg	3.32	0.926	1	A
trans-Chlordane	ND		ug/kg	3.32	0.878	1	A
Chlordane	ND		ug/kg	21.6	8.81	1	A

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	119		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/28/19 03:39
Analyst: KEG
Percent Solids: 58%
TCLP/SPLP Ext. Date: 06/20/19 04:19
Methylation Date: 06/27/19 06:54

Extraction Method: EPA 8151A
Extraction Date: 06/26/19 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	63		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/02/19 16:52
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.286	0.067	20	A
Lindane	ND		ug/l	0.286	0.062	20	A
Alpha-BHC	ND		ug/l	0.286	0.063	20	A
Beta-BHC	ND		ug/l	0.286	0.080	20	A
Heptachlor	ND		ug/l	0.286	0.044	20	A
Aldrin	ND		ug/l	0.286	0.031	20	A
Heptachlor epoxide	ND		ug/l	0.286	0.059	20	A
Endrin	ND		ug/l	0.571	0.061	20	A
Endrin aldehyde	ND		ug/l	0.571	0.116	20	A
Endrin ketone	ND		ug/l	0.571	0.068	20	A
Dieldrin	ND		ug/l	0.571	0.061	20	A
4,4'-DDE	ND		ug/l	0.571	0.054	20	A
4,4'-DDD	ND		ug/l	0.571	0.066	20	A
4,4'-DDT	ND		ug/l	0.571	0.062	20	A
Endosulfan I	ND		ug/l	0.286	0.049	20	A
Endosulfan II	ND		ug/l	0.571	0.074	20	A
Endosulfan sulfate	ND		ug/l	0.571	0.069	20	A
Methoxychlor	ND		ug/l	2.86	0.098	20	A
Toxaphene	ND		ug/l	2.86	0.896	20	A
cis-Chlordane	ND		ug/l	0.286	0.095	20	A
trans-Chlordane	ND		ug/l	0.286	0.090	20	A
Chlordane	ND		ug/l	2.86	0.661	20	A

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 D
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Lab Number: L1926360
Project Number: SHD1902
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/02/19 16:40
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.143	0.033	10	A
Lindane	ND		ug/l	0.143	0.031	10	A
Alpha-BHC	ND		ug/l	0.143	0.031	10	A
Beta-BHC	ND		ug/l	0.143	0.040	10	A
Heptachlor	ND		ug/l	0.143	0.022	10	A
Aldrin	ND		ug/l	0.143	0.015	10	A
Heptachlor epoxide	ND		ug/l	0.143	0.030	10	A
Endrin	ND		ug/l	0.286	0.031	10	A
Endrin aldehyde	ND		ug/l	0.286	0.058	10	A
Endrin ketone	ND		ug/l	0.286	0.034	10	A
Dieldrin	ND		ug/l	0.286	0.031	10	A
4,4'-DDE	ND		ug/l	0.286	0.027	10	A
4,4'-DDD	ND		ug/l	0.286	0.033	10	A
4,4'-DDT	ND		ug/l	0.286	0.031	10	A
Endosulfan I	ND		ug/l	0.143	0.025	10	A
Endosulfan II	ND		ug/l	0.286	0.037	10	A
Endosulfan sulfate	ND		ug/l	0.286	0.034	10	A
Methoxychlor	ND		ug/l	1.43	0.049	10	A
Toxaphene	ND		ug/l	1.43	0.448	10	A
cis-Chlordane	ND		ug/l	0.143	0.048	10	A
trans-Chlordane	ND		ug/l	0.143	0.045	10	A
Chlordane	ND		ug/l	1.43	0.331	10	A

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 D
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/02/19 16:28
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 Date Collected: 06/18/19 11:15

Client ID: WC003 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/24/19 11:51
Analyst: AMC
TCLP/SPLP Extraction Date: 06/20/19 04:19

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 11:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1251870-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/26/19 12:36
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG1251955-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/26/19 12:36
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 06/22/19 20:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG1251955-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/28/19 01:46
Analyst: KEG
TCLP/SPLP Extraction Date: 06/20/19 04:19
Methylation Date: 06/27/19 06:54

Extraction Method: EPA 8151A
Extraction Date: 06/26/19 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1253397-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	62		30-150	B

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/28/19 16:17
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 06/28/19 04:47
Cleanup Method: EPA 3620B
Cleanup Date: 06/28/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1254239-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.597	A
Heptachlor	ND		ug/kg	0.787	0.353	A
Aldrin	ND		ug/kg	1.57	0.554	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Endrin aldehyde	ND		ug/kg	1.97	0.689	A
Endrin ketone	ND		ug/kg	1.57	0.406	A
Dieldrin	ND		ug/kg	0.984	0.492	A
4,4'-DDE	ND		ug/kg	1.57	0.364	A
4,4'-DDD	ND		ug/kg	1.57	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.57	0.372	A
Endosulfan II	ND		ug/kg	1.57	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
Toxaphene	ND		ug/kg	29.5	8.27	A
cis-Chlordane	ND		ug/kg	1.97	0.548	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/28/19 16:17
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 06/28/19 04:47
Cleanup Method: EPA 3620B
Cleanup Date: 06/28/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1254239-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	147		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	108		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1251870-2 WG1251870-3									
Lindane	98		97		30-150	1		20	A
Heptachlor	89		88		30-150	1		20	A
Heptachlor epoxide	101		101		30-150	0		20	A
Endrin	105		104		30-150	1		20	A
Methoxychlor	84		82		30-150	1		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		99		30-150	A
Decachlorobiphenyl	121		116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		101		30-150	B
Decachlorobiphenyl	118		115		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG1251955-2 WG1251955-3									
Delta-BHC	51		56		30-150	9		20	A
Lindane	55		59		30-150	8		20	A
Alpha-BHC	56		61		30-150	7		20	A
Beta-BHC	55		61		30-150	9		20	A
Heptachlor	53		56		30-150	6		20	A
Aldrin	48		51		30-150	6		20	A
Heptachlor epoxide	55		59		30-150	7		20	A
Endrin	55		58		30-150	5		20	A
Endrin aldehyde	46		49		30-150	8		20	A
Endrin ketone	55		60		30-150	7		20	A
Dieldrin	54		57		30-150	6		20	A
4,4'-DDE	52		55		30-150	5		20	A
4,4'-DDD	55		59		30-150	6		20	A
4,4'-DDT	54		57		30-150	5		20	A
Endosulfan I	47		50		30-150	6		20	A
Endosulfan II	51		54		30-150	6		20	A
Endosulfan sulfate	49		52		30-150	6		20	A
Methoxychlor	50		54		30-150	7		20	A
cis-Chlordane	50		52		30-150	5		20	A
trans-Chlordane	50		54		30-150	8		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG1251955-2 WG1251955-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		63		30-150	A
Decachlorobiphenyl	58		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		64		30-150	B
Decachlorobiphenyl	78		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1253397-2 WG1253397-3									
2,4-D	122		128		30-150	5		25	A
2,4,5-TP (Silvex)	70		74		30-150	6		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	65		71		30-150	A
DCAA	54		61		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

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 Batch: WG1254239-2 WG1254239-3									
Delta-BHC	105		111		30-150	6		30	A
Lindane	105		111		30-150	6		30	A
Alpha-BHC	107		113		30-150	5		30	A
Beta-BHC	103		109		30-150	6		30	A
Heptachlor	97		104		30-150	7		30	A
Aldrin	90		94		30-150	4		30	A
Heptachlor epoxide	96		101		30-150	5		30	A
Endrin	106		109		30-150	3		30	A
Endrin aldehyde	87		99		30-150	13		30	A
Endrin ketone	103		108		30-150	5		30	A
Dieldrin	106		108		30-150	2		30	A
4,4'-DDE	99		101		30-150	2		30	A
4,4'-DDD	108		110		30-150	2		30	A
4,4'-DDT	110		111		30-150	1		30	A
Endosulfan I	88		91		30-150	3		30	A
Endosulfan II	99		102		30-150	3		30	A
Endosulfan sulfate	92		93		30-150	1		30	A
Methoxychlor	83		76		30-150	9		30	A
cis-Chlordane	86		90		30-150	5		30	A
trans-Chlordane	100		101		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1254239-2 WG1254239-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		98		30-150	B
Decachlorobiphenyl	146		139		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		95		30-150	A
Decachlorobiphenyl	108		102		30-150	A

METALS

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/20/19 04:19

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.029	J	mg/l	1.00	0.019	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Barium, TCLP	0.356	J	mg/l	0.500	0.021	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/27/19 16:26	06/27/19 20:51	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/27/19 17:10	06/27/19 23:49	EPA 3015	1,6010D	AB

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01 Date Collected: 06/18/19 10:00

Client ID: WC001 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4410		mg/kg	9.67	2.61	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Antimony, Total	1.68	J	mg/kg	4.84	0.368	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Arsenic, Total	3.40		mg/kg	0.967	0.201	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Barium, Total	26.6		mg/kg	0.967	0.168	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.484	0.032	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Cadmium, Total	0.590	J	mg/kg	0.967	0.095	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Calcium, Total	19000		mg/kg	9.67	3.38	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Chromium, Total	22.0		mg/kg	0.967	0.093	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Cobalt, Total	3.03		mg/kg	1.93	0.160	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Copper, Total	31.2		mg/kg	0.967	0.250	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Iron, Total	19800		mg/kg	4.84	0.873	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Lead, Total	27.4		mg/kg	4.84	0.259	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Magnesium, Total	2520		mg/kg	9.67	1.49	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Manganese, Total	124		mg/kg	0.967	0.154	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Mercury, Total	0.089		mg/kg	0.079	0.052	1	06/27/19 08:30	06/27/19 15:17	EPA 7471B	1,7471B	GD
Nickel, Total	11.1		mg/kg	2.42	0.234	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Potassium, Total	256		mg/kg	242	13.9	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Selenium, Total	0.368	J	mg/kg	1.93	0.250	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.967	0.274	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Sodium, Total	262		mg/kg	193	3.05	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.93	0.305	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Vanadium, Total	15.9		mg/kg	0.967	0.196	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC
Zinc, Total	107		mg/kg	4.84	0.283	2	06/26/19 21:15	06/27/19 18:18	EPA 3050B	1,6010D	LC

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 Date Collected: 06/18/19 10:15

Client ID: WC002 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/20/19 04:19

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.041	J	mg/l	1.00	0.019	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Barium, TCLP	0.625		mg/l	0.500	0.021	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Chromium, TCLP	0.021	J	mg/l	0.200	0.021	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Lead, TCLP	0.152	J	mg/l	0.500	0.027	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/27/19 16:26	06/27/19 20:56	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/27/19 17:10	06/27/19 23:53	EPA 3015	1,6010D	AB

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02 Date Collected: 06/18/19 10:15

Client ID: WC002 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2220		mg/kg	10.6	2.87	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Antimony, Total	1.77	J	mg/kg	5.31	0.404	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Arsenic, Total	2.18		mg/kg	1.06	0.221	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Barium, Total	40.2		mg/kg	1.06	0.185	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.531	0.035	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Cadmium, Total	2.06		mg/kg	1.06	0.104	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Calcium, Total	3720		mg/kg	10.6	3.72	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Chromium, Total	29.8		mg/kg	1.06	0.102	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Cobalt, Total	2.72		mg/kg	2.12	0.176	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Copper, Total	42.6		mg/kg	1.06	0.274	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Iron, Total	17200		mg/kg	5.31	0.959	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Lead, Total	69.6		mg/kg	5.31	0.285	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Magnesium, Total	829		mg/kg	10.6	1.64	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Manganese, Total	80.9		mg/kg	1.06	0.169	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.088	0.057	1	06/27/19 08:30	06/27/19 15:19	EPA 7471B	1,7471B	GD
Nickel, Total	7.76		mg/kg	2.66	0.257	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Potassium, Total	195	J	mg/kg	266	15.3	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Selenium, Total	0.372	J	mg/kg	2.12	0.274	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.06	0.301	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Sodium, Total	354		mg/kg	212	3.35	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.12	0.335	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Vanadium, Total	11.3		mg/kg	1.06	0.216	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC
Zinc, Total	212		mg/kg	5.31	0.311	2	06/26/19 21:15	06/27/19 18:22	EPA 3050B	1,6010D	LC

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/20/19 04:19

Matrix: Soil

Percent Solids: 58%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Barium, TCLP	3.36		mg/l	0.500	0.021	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Cadmium, TCLP	0.012	J	mg/l	0.100	0.010	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Chromium, TCLP	0.027	J	mg/l	0.200	0.021	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/27/19 16:26	06/27/19 20:58	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/27/19 17:10	06/27/19 23:58	EPA 3015	1,6010D	AB

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03 Date Collected: 06/18/19 10:30

Client ID: WC003 (SEDIMENT) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 58%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5830		mg/kg	13.0	3.50	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Antimony, Total	241		mg/kg	6.49	0.493	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Arsenic, Total	48.3		mg/kg	1.30	0.270	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Barium, Total	858		mg/kg	1.30	0.226	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.649	0.043	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Cadmium, Total	3.48		mg/kg	1.30	0.127	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Calcium, Total	21400		mg/kg	13.0	4.54	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Chromium, Total	208		mg/kg	1.30	0.125	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Cobalt, Total	16.0		mg/kg	2.60	0.216	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Copper, Total	1300		mg/kg	1.30	0.335	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Iron, Total	114000		mg/kg	64.9	11.7	20	06/26/19 21:15	06/27/19 23:01	EPA 3050B	1,6010D	LC
Lead, Total	98.7		mg/kg	6.49	0.348	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Magnesium, Total	1460		mg/kg	13.0	2.00	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Manganese, Total	750		mg/kg	1.30	0.206	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Mercury, Total	0.136		mg/kg	0.108	0.070	1	06/27/19 08:30	06/27/19 15:21	EPA 7471B	1,7471B	GD
Nickel, Total	217		mg/kg	3.24	0.314	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Potassium, Total	1230		mg/kg	324	18.7	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	2.60	0.335	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Silver, Total	1.08	J	mg/kg	1.30	0.367	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Sodium, Total	482		mg/kg	260	4.09	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Thallium, Total	0.636	J	mg/kg	2.60	0.409	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Vanadium, Total	11.6		mg/kg	1.30	0.264	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC
Zinc, Total	5720		mg/kg	6.49	0.380	2	06/26/19 21:15	06/27/19 18:27	EPA 3050B	1,6010D	LC

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04 Date Collected: 06/18/19 10:45

Client ID: WC001 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5.58		mg/l	0.0100	0.00327	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Antimony, Total	0.00423		mg/l	0.00400	0.00042	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00781		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Barium, Total	0.2254		mg/l	0.00050	0.00017	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00038	J	mg/l	0.00050	0.00010	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00331		mg/l	0.00020	0.00005	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Calcium, Total	37.2		mg/l	0.100	0.0394	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Chromium, Total	0.01179		mg/l	0.00100	0.00017	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00535		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Copper, Total	0.09335		mg/l	0.00100	0.00038	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Iron, Total	9.52		mg/l	0.0500	0.0191	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Lead, Total	0.2148		mg/l	0.00100	0.00034	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Magnesium, Total	4.17		mg/l	0.0700	0.0242	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Manganese, Total	0.2858		mg/l	0.00100	0.00044	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Mercury, Total	0.00031		mg/l	0.00020	0.00009	1	06/27/19 15:17	06/27/19 20:16	EPA 7470A	1,7470A	GD
Nickel, Total	0.01616		mg/l	0.00200	0.00055	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Potassium, Total	25.1		mg/l	0.100	0.0309	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Sodium, Total	85.1		mg/l	0.100	0.0293	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Vanadium, Total	0.01645		mg/l	0.00500	0.00157	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM
Zinc, Total	0.6009		mg/l	0.01000	0.00341	1	06/28/19 12:47	07/01/19 10:09	EPA 3005A	1,6020B	AM

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05 Date Collected: 06/18/19 11:00

Client ID: WC002 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3.64		mg/l	0.0100	0.00327	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Antimony, Total	0.00427		mg/l	0.00400	0.00042	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00731		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Barium, Total	0.07214		mg/l	0.00050	0.00017	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00409		mg/l	0.00020	0.00005	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Calcium, Total	29.0		mg/l	0.100	0.0394	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Chromium, Total	0.00996		mg/l	0.00100	0.00017	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00172		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Copper, Total	0.08071		mg/l	0.00100	0.00038	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Iron, Total	14.3		mg/l	0.0500	0.0191	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Lead, Total	0.03089		mg/l	0.00100	0.00034	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Magnesium, Total	3.34		mg/l	0.0700	0.0242	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Manganese, Total	0.3973		mg/l	0.00100	0.00044	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Mercury, Total	0.00024		mg/l	0.00020	0.00009	1	06/27/19 15:17	06/27/19 20:18	EPA 7470A	1,7470A	GD
Nickel, Total	0.02128		mg/l	0.00200	0.00055	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Potassium, Total	7.60		mg/l	0.100	0.0309	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Sodium, Total	29.5		mg/l	0.100	0.0293	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00702		mg/l	0.00500	0.00157	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM
Zinc, Total	0.3993		mg/l	0.01000	0.00341	1	06/28/19 12:47	07/01/19 10:13	EPA 3005A	1,6020B	AM

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06 Date Collected: 06/18/19 11:15

Client ID: WC003 (LIQUID) Date Received: 06/18/19

Sample Location: 67 MAPLE STREET, YAPHANK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.76		mg/l	0.0100	0.00327	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Antimony, Total	0.01361		mg/l	0.00400	0.00042	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00944		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Barium, Total	0.1947		mg/l	0.00050	0.00017	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00196		mg/l	0.00020	0.00005	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Calcium, Total	50.2		mg/l	0.100	0.0394	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Chromium, Total	0.00806		mg/l	0.00100	0.00017	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00191		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Copper, Total	0.09019		mg/l	0.00100	0.00038	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Iron, Total	4.28		mg/l	0.0500	0.0191	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Lead, Total	0.05561		mg/l	0.00100	0.00034	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Magnesium, Total	20.0		mg/l	0.0700	0.0242	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Manganese, Total	0.2567		mg/l	0.00100	0.00044	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Mercury, Total	0.00076		mg/l	0.00020	0.00009	1	06/27/19 15:17	06/27/19 20:23	EPA 7470A	1,7470A	GD
Nickel, Total	0.01212		mg/l	0.00200	0.00055	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Potassium, Total	37.8		mg/l	0.100	0.0309	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Sodium, Total	17.3		mg/l	0.100	0.0293	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00627		mg/l	0.00500	0.00157	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM
Zinc, Total	0.4298		mg/l	0.01000	0.00341	1	06/28/19 12:47	07/01/19 10:17	EPA 3005A	1,6020B	AM

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1253523-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Chromium, Total	0.068	J	mg/kg	0.400	0.038	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/26/19 21:15	06/27/19 15:48	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1253692-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/27/19 08:30	06/27/19 12:19	1,7471B	GD

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

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): 04-06 Batch: WG1253984-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/27/19 15:17	06/27/19 20:08	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1254009-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/27/19 16:26	06/27/19 20:44	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 06/20/19 04:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1254016-1										
Arsenic, TCLP	0.030	J	mg/l	1.00	0.019	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/27/19 17:10	06/27/19 22:39	1,6010D	AB

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 06/20/19 04:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 04-06 Batch: WG1254449-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Antimony, Total	0.00066	J	mg/l	0.00400	0.00042	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Iron, Total	0.0454	J	mg/l	0.0500	0.0191	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Manganese, Total	0.00099	J	mg/l	0.00100	0.00044	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	06/28/19 12:47	07/01/19 09:43	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1253523-2 SRM Lot Number: D105-540								
Aluminum, Total	72		-		51-149	-		
Antimony, Total	158		-		19-249	-		
Arsenic, Total	101		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	94		-		75-125	-		
Calcium, Total	86		-		73-127	-		
Chromium, Total	93		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	92		-		75-125	-		
Iron, Total	92		-		38-162	-		
Lead, Total	93		-		71-128	-		
Magnesium, Total	80		-		63-137	-		
Manganese, Total	89		-		76-124	-		
Nickel, Total	92		-		70-131	-		
Potassium, Total	82		-		60-140	-		
Selenium, Total	96		-		63-137	-		
Silver, Total	97		-		69-131	-		
Sodium, Total	99		-		37-162	-		
Thallium, Total	95		-		68-132	-		
Vanadium, Total	97		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1253523-2 SRM Lot Number: D105-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1253692-2 SRM Lot Number: D105-540					
Mercury, Total	106	-	60-141	-	
Total Metals - Mansfield Lab Associated sample(s): 04-06 Batch: WG1253984-2					
Mercury, Total	102	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1254009-2					
Mercury, TCLP	94	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1254016-2					
Arsenic, TCLP	117	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	102	-	75-125	-	20
Selenium, TCLP	113	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-06 Batch: WG1254449-2					
Aluminum, Total	111	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	112	-	80-120	-	
Barium, Total	113	-	80-120	-	
Beryllium, Total	112	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Calcium, Total	115	-	80-120	-	
Chromium, Total	109	-	80-120	-	
Cobalt, Total	108	-	80-120	-	
Copper, Total	112	-	80-120	-	
Iron, Total	111	-	80-120	-	
Lead, Total	117	-	80-120	-	
Magnesium, Total	111	-	80-120	-	
Manganese, Total	108	-	80-120	-	
Nickel, Total	109	-	80-120	-	
Potassium, Total	111	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	117	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	109	-	80-120	-	
Vanadium, Total	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-06 Batch: WG1254449-2					
Zinc, Total	116	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

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): 01-03 QC Batch ID: WG1253523-3 WG1253523-4 QC Sample: L1926362-06 Client ID: MS Sample												
Aluminum, Total	10400	267	11300	**336**	Q	10300	**0**	Q	75-125	9		20
Antimony, Total	0.851J	66.8	57.8	86		60.4	89		75-125	4		20
Arsenic, Total	7.90	16	24.4	103		23.8	98		75-125	2		20
Barium, Total	97.0	267	346	93		330	86		75-125	5		20
Beryllium, Total	0.572J	6.68	6.71	100		6.53	96		75-125	3		20
Cadmium, Total	0.432J	6.82	6.75	99		6.62	96		75-125	2		20
Calcium, Total	2780	1340	3970	89		3590	**60**	Q	75-125	10		20
Chromium, Total	12.7	26.7	37.3	92		35.5	84		75-125	5		20
Cobalt, Total	8.48	66.8	68.0	89		67.1	86		75-125	1		20
Copper, Total	12.6	33.4	43.4	92		40.7	83		75-125	6		20
Iron, Total	19900	134	19600	**0**	Q	18400	**0**	Q	75-125	6		20
Lead, Total	15.6	68.2	78.4	92		76.8	88		75-125	2		20
Magnesium, Total	2610	1340	3670	79		3510	**66**	Q	75-125	4		20
Manganese, Total	546	66.8	604	87		640	**138**	Q	75-125	6		20
Nickel, Total	16.1	66.8	75.0	88		73.5	84		75-125	2		20
Potassium, Total	778	1340	2050	95		1920	84		75-125	7		20
Selenium, Total	0.767J	16	15.9	99		15.7	96		75-125	1		20
Silver, Total	ND	40.1	38.5	96		37.8	93		75-125	2		20
Sodium, Total	66.9J	1340	1340	100		1300	96		75-125	3		20
Thallium, Total	0.642J	16	14.4	90		14.5	89		75-125	1		20
Vanadium, Total	18.1	66.8	82.1	96		78.8	89		75-125	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1253523-3 WG1253523-4 QC Sample: L1926362-06 Client ID: MS Sample											
Zinc, Total	58.2	66.8	120	92		115	84		75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1253692-3 WG1253692-4 QC Sample: L1926362-06 Client ID: MS Sample											
Mercury, Total	ND	0.224	0.304	**135**	Q	0.282	**126**	Q	80-120	8	20
Total Metals - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1253984-3 QC Sample: L1926471-04 Client ID: MS Sample											
Mercury, Total	ND	0.005	0.00484	97		-	-		75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1254009-3 QC Sample: L1926360-01 Client ID: WC001 (SEDIMENT)											
Mercury, TCLP	ND	0.025	0.0241	96		-	-		80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1254016-3 QC Sample: L1926486-01 Client ID: MS Sample											
Arsenic, TCLP	0.135J	1.2	1.52	**127**	Q	-	-		75-125	-	20
Barium, TCLP	0.167J	20	20.7	104		-	-		75-125	-	20
Cadmium, TCLP	ND	0.51	0.534	105		-	-		75-125	-	20
Chromium, TCLP	ND	2	1.98	99		-	-		75-125	-	20
Lead, TCLP	ND	5.1	5.16	101		-	-		75-125	-	20
Selenium, TCLP	ND	1.2	1.34	112		-	-		75-125	-	20
Silver, TCLP	ND	0.5	0.500	100		-	-		75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

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): 04-06 QC Batch ID: WG1254449-3 QC Sample: L1926606-18 Client ID: MS Sample										
Aluminum, Total	ND	2	2.00	100		-	-	75-125	-	20
Antimony, Total	0.0014J	0.5	0.6607	**132**	Q	-	-	75-125	-	20
Arsenic, Total	0.00025J	0.12	0.1270	106		-	-	75-125	-	20
Barium, Total	0.0181	2	2.110	104		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05360	107		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05589	110		-	-	75-125	-	20
Calcium, Total	143.	10	152	90		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2004	100		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5001	100		-	-	75-125	-	20
Copper, Total	ND	0.25	0.2417	97		-	-	75-125	-	20
Iron, Total	0.0529	1	1.24	119		-	-	75-125	-	20
Lead, Total	ND	0.51	0.5658	111		-	-	75-125	-	20
Magnesium, Total	24.6	10	36.3	117		-	-	75-125	-	20
Manganese, Total	0.00799	0.5	0.4967	98		-	-	75-125	-	20
Nickel, Total	0.0009J	0.5	0.5223	104		-	-	75-125	-	20
Potassium, Total	2.68	10	12.7	100		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.0980	82		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05358	107		-	-	75-125	-	20
Sodium, Total	6.93	10	17.0	101		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1271	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5151	103		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

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): 04-06 QC Batch ID: WG1254449-3 QC Sample: L1926606-18 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5261	105	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1253984-4 QC Sample: L1926471-04 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1254009-4 QC Sample: L1926360-01 Client ID: WC001 (SEDIMENT)						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1254016-4 QC Sample: L1926486-01 Client ID: DUP Sample						
Arsenic, TCLP	0.135J	0.134J	mg/l	NC		20
Barium, TCLP	0.167J	0.166J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1254449-4 QC Sample: L1926606-18 Client ID: DUP Sample						
Arsenic, Total	0.00025J	0.00024J	mg/l	NC		20
Calcium, Total	143.	142	mg/l	1		20
Chromium, Total	ND	ND	mg/l	NC		20
Iron, Total	0.0529	0.0998	mg/l	**61**	Q	20
Magnesium, Total	24.6	24.5	mg/l	0		20
Manganese, Total	0.00799	0.00853	mg/l	6		20
Sodium, Total	6.93	6.84	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/19 09:36	1,1030	BR

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/19 09:36	1,1030	BR

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY

Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/19 09:36	1,1030	BR

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-01
Client ID: WC001 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Date Collected: 06/18/19 10:00
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	06/19/19 09:54	121,2540G	RI
pH (H)	10.6		SU	-	NA	1	-	06/19/19 09:05	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:31	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:18	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/19/19 23:07	1,9095B	AS

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-02
Client ID: WC002 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Date Collected: 06/18/19 10:15
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.7		%	0.100	NA	1	-	06/19/19 09:54	121,2540G	RI
pH (H)	7.4		SU	-	NA	1	-	06/19/19 09:05	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:31	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:19	125,7.3	KF
Paint Filter Liquid	POSITIVE		-	0	NA	1	-	06/19/19 23:07	1,9095B	AS

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-03
Client ID: WC003 (SEDIMENT)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Date Collected: 06/18/19 10:30
Date Received: 06/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.4		%	0.100	NA	1	-	06/19/19 09:54	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	06/19/19 09:05	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:32	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:19	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/19/19 23:07	1,9095B	AS

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-04
Client ID: WC001 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Sample Depth:
Matrix: Water
Date Collected: 06/18/19 10:45
Date Received: 06/18/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	6.8		SU	-	NA	1	-	06/19/19 07:50	121,4500H+-B	JT
Flash Point	>150		deg F	70	NA	1	-	06/20/19 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:39	125,7.3	KF
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:25	125,7.3	KF

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-05
Client ID: WC002 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Sample Depth:
Matrix: Water
Date Collected: 06/18/19 11:00
Date Received: 06/18/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	6.1		SU	-	NA	1	-	06/19/19 07:50	121,4500H+-B	JT
Flash Point	>150		deg F	70	NA	1	-	06/20/19 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:39	125,7.3	KF
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:26	125,7.3	KF

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902
Lab Number: L1926360
Report Date: 07/11/19

SAMPLE RESULTS

Lab ID: L1926360-06
Client ID: WC003 (LIQUID)
Sample Location: 67 MAPLE STREET, YAPHANK, NY
Sample Depth:
Matrix: Water
Date Collected: 06/18/19 11:15
Date Received: 06/18/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.5		SU	-	NA	1	-	06/19/19 07:50	121,4500H+-B	JT
Flash Point	>150		deg F	70	NA	1	-	06/20/19 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:39	125,7.3	KF
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:27	125,7.3	KF

Project Name: SUFFOLK COUNTY FIREMATICS **Lab Number:** L1926360

Project Number: SHD1902 **Report Date:** 07/11/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1250706-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:16	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1250707-4										
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/20/19 04:07	06/20/19 05:30	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG1251215-1										
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:24	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG1251217-1										
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	06/20/19 23:23	06/21/19 01:38	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG1250257-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1250546-1								
pH	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1250706-2								
Sulfide, Reactive	104		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1250707-5								
Cyanide, Reactive	70		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG1251062-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG1251215-2								
Sulfide, Reactive	77		-		60-125	-		25
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG1251217-2								
Cyanide, Reactive	92		-		30-125	-		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUFFOLK COUNTY FIREMATICS

Project Number: SHD1902

Lab Number: L1926360

Report Date: 07/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG1250257-2 QC Sample: L1926229-06 Client ID: DUP Sample						
pH	7.2	7.2	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1250322-1 QC Sample: L1926308-01 Client ID: DUP Sample						
Solids, Total	78.3	77.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1250546-2 QC Sample: L1926360-01 Client ID: WC001 (SEDIMENT)						
pH (H)	10.6	10.4	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1250706-3 QC Sample: L1926505-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1250707-6 QC Sample: L1926505-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG1251215-3 QC Sample: L1926643-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/l	NC		25
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG1251217-3 QC Sample: L1926643-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/l	NC		25

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-01A	Vial MeOH preserved	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1926360-01B	Vial water preserved	A	NA		4.6	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-01C	Vial water preserved	A	NA		4.6	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-01D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L1926360-01E	Glass 60mL/2oz unpreserved	A	NA		4.6	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)
L1926360-01F	Vial Large Septa unpreserved (4oz)	A	NA		4.6	Y	Absent		TCLP-EXT-ZHE(14)
L1926360-01G	Plastic 8oz unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(28)
L1926360-01H	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-01I	Glass 500ml/16oz unpreserved	A	NA		4.6	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-01W	Amber 1000ml unpreserved Extracts	A	NA		4.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1926360-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1926360-01X9	Tumble Vessel	A	NA		4.6	Y	Absent		-
L1926360-01Y	Vial unpreserved Extracts	A	NA		4.6	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-01Z	Vial unpreserved Extracts	A	NA		4.6	Y	Absent		TCLP-VOA(14)
L1926360-02A	Vial MeOH preserved	B	NA		5.1	Y	Absent		NYTCL-8260HLW(14)
L1926360-02B	Vial water preserved	B	NA		5.1	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-02C	Vial water preserved	B	NA		5.1	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-02D	Plastic 2oz unpreserved for TS	B	NA		5.1	Y	Absent		TS(7)
L1926360-02E	Glass 60mL/2oz unpreserved	B	NA		5.1	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)
L1926360-02F	Vial Large Septa unpreserved (4oz)	B	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L1926360-02G	Plastic 8oz unpreserved	B	NA		5.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L1926360-02H	Glass 500ml/16oz unpreserved	B	NA		5.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-02I	Glass 500ml/16oz unpreserved	B	NA		5.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-02W	Amber 1000ml unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1926360-02X	Plastic 120ml HNO3 preserved Extracts	B	NA		5.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1926360-02X9	Tumble Vessel	B	NA		5.1	Y	Absent		-
L1926360-02Y	Vial unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-VOA(14)
L1926360-02Z	Vial unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-VOA(14)
L1926360-03A	Vial MeOH preserved	B	NA		5.1	Y	Absent		NYTCL-8260HLW(14)
L1926360-03B	Vial water preserved	B	NA		5.1	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-03C	Vial water preserved	B	NA		5.1	Y	Absent	19-JUN-19 06:50	NYTCL-8260HLW(14)
L1926360-03D	Plastic 2oz unpreserved for TS	B	NA		5.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-03E	Glass 60mL/2oz unpreserved	B	NA		5.1	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)
L1926360-03F	Vial Large Septa unpreserved (4oz)	B	NA		5.1	Y	Absent		TCLP-EXT-ZHE(14)
L1926360-03G	Plastic 8oz unpreserved	B	NA		5.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L1926360-03H	Glass 500ml/16oz unpreserved	B	NA		5.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-03I	Glass 500ml/16oz unpreserved	B	NA		5.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),NJEPH-TPH-CAT1(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1926360-03W	Amber 1000ml unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1926360-03X	Plastic 120ml HNO3 preserved Extracts	B	NA		5.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1926360-03X9	Tumble Vessel	B	NA		5.1	Y	Absent		-
L1926360-03Y	Vial unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-VOA(14)
L1926360-03Z	Vial unpreserved Extracts	B	NA		5.1	Y	Absent		TCLP-VOA(14)
L1926360-04A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L1926360-04B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L1926360-04C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L1926360-04D	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-04E	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-04F	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1926360-04G	Plastic 500ml unpreserved	A	7	7	4.6	Y	Absent		PH-4500(.01)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-04H	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8082-LVI(7)
L1926360-04I	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8082-LVI(7)
L1926360-04J	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8081(7)
L1926360-04K	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8081(7)
L1926360-04L	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-04M	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-04N	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-04O	Amber 250ml unpreserved	A	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-04P	Amber 500ml unpreserved	A	7	7	4.6	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-04Q	Amber 1000ml unpreserved	A	7	7	4.6	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-04R	Amber 1000ml unpreserved	A	7	7	4.6	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-04S	Amber 1000ml HCl preserved	A	<2	<2	4.6	Y	Absent		ARCHIVE()
L1926360-04T	Amber 1000ml HCl preserved	A	<2	<2	4.6	Y	Absent		ARCHIVE()
L1926360-04U	Vial unpreserved	A	NA		4.6	Y	Absent		ARCHIVE()
L1926360-04V	Vial unpreserved	A	NA		4.6	Y	Absent		ARCHIVE()
L1926360-04W	Vial unpreserved	A	NA		4.6	Y	Absent		ARCHIVE()
L1926360-05A	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-05B	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-05C	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-05D	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-05E	Plastic 2oz unpreserved for TS	C	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-05F	Plastic 250ml HNO3 preserved	C	<2	<2	4.0	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)
L1926360-05G	Plastic 500ml unpreserved	C	7	7	4.0	Y	Absent		PH-4500(.01)
L1926360-05H	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-05I	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)
L1926360-05J	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8081(7)
L1926360-05K	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8081(7)
L1926360-05L	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-05M	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-05N	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-05O	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-05P	Amber 500ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-05Q	Amber 1000ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-05R	Amber 1000ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-05S	Amber 1000ml HCl preserved	C	<2	<2	4.0	Y	Absent		ARCHIVE()
L1926360-05T	Amber 1000ml HCl preserved	C	<2	<2	4.0	Y	Absent		ARCHIVE()
L1926360-05U	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()
L1926360-05V	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()
L1926360-05W	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()
L1926360-06A	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-06B	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-06C	Vial HCl preserved	C	NA		4.0	Y	Absent		NYTCL-8260(14)
L1926360-06D	Plastic 250ml unpreserved	C	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-06E	Plastic 250ml unpreserved	C	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1926360-06F	Plastic 250ml HNO3 preserved	C	<2	<2	4.0	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)
L1926360-06G	Plastic 500ml unpreserved	C	7	7	4.0	Y	Absent		PH-4500(.01)
L1926360-06H	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)
L1926360-06I	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: SUFFOLK COUNTY FIREMATICS
Project Number: SHD1902

Lab Number: L1926360
Report Date: 07/11/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926360-06J	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8081(7)
L1926360-06K	Amber 120ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8081(7)
L1926360-06L	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-06M	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-06N	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-06O	Amber 250ml unpreserved	C	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926360-06P	Amber 500ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-06Q	Amber 1000ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-06R	Amber 1000ml unpreserved	C	7	7	4.0	Y	Absent		REACTS(7),REACTCN(7),FLASH()
L1926360-06S	Amber 1000ml HCl preserved	C	<2	<2	4.0	Y	Absent		ARCHIVE()
L1926360-06T	Amber 1000ml HCl preserved	C	<2	<2	4.0	Y	Absent		ARCHIVE()
L1926360-06U	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()
L1926360-06V	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()
L1926360-06W	Vial unpreserved	C	NA		4.0	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUFFOLK COUNTY FIREMATICS	**Lab Number:**	L1926360
Project Number:	SHD1902	**Report Date:**	07/11/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 6860: SCM: Perchlorate

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

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

3 COOLERS

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/19/15

ALPHA Job #: L1926360

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: andyl@pwgrosser.com

Project Information

Project Name: Suffolk County Firematics
Project Location: 678 Maple Street, Yaphank NY
Project #: SHD1402
(Use Project name as Project #) ☐
Project Manager: Andy Lockwood
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCB/Pest	Metals	Reactivity	Ignitability/Corrosivity	PFAS	Sulfur %	Sample Specific Comments	Total Bottle
26360-01	WC001 (Sediment)	6/18/15	1000	S	JC	X	X	X	X	X	X	X	X		7
02	WC002 (Sediment)		1015	S		X	X	X	X	X	X	X	X		7
03	WC003 (Sediment)		1030	S		X	X	X	X	X	X	X	X		7
04	WC001 (liquid)		1045	W		X	X	X	X	X	X	X	X		19
05	WC002 (liquid)		1100	W		X	X	X	X	X	X	X	X		19
06	WC003 (liquid)	↓	1115	W	↓	X	X	X	X	X	X	X	X		19

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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									

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18/15 1430		6/18 15:25
	6/18 1830		6/18 20:05
	6/18 00:53		6/19/15 00:25

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Brandeis

* 3 coolers *

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/19/19

ALPHA Job #: L1926360

Project Information

Project Name: Suffolk County Firematics
Project Location: 678 Maple Street, Yaphank NY
Project #: SHD1902
(Use Project name as Project #) ☐
Project Manager: Andy Lockwood
ALPHAQuote #:

Client Information

Client: PWGrosser Consulting
Address: 630 Johnson Ave Bohemia NY 11716
Phone: 631-584-6363
Fax:
Email: andyl@pwgrosser.com

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH	Paint Filter	Full TCLP (VOCs, SVOCs, Pest/Herbs, metals)	pH, Hydrogen ion conc.	Reactive Cyanide	Reactive Sulfide			Sample Specific Comments	Total Bottles
26360-01	WC001 (sediment)	6/18/19	1000	S	SC	X	X	X	X	X	X				7
02	WC002 (sediment)	↓	1015	S	↓	X	X	X	X	X	X				7
03	WC003 (sediment)	↓	1030	S	↓	X	X	X	X	X	X				7
04	WC001 (liquid)	↓	1045	W	↓			X	X	X	X				19
05	WC002 (liquid)	↓	1100	W	↓			X	X	X	X				19
06	WC003 (liquid)	↓	1115	W	↓			X	X	X	X				19

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/18/19 1430	[signature]	6/18 14:35
[signature]	6/18 1830	QFL	6/18 23:05
QFL	6/19 00:53	[signature]	6/19/19 00:25

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

* 2 coolers *

APPENDIX C

SUMMARY DATA TABLES

Table 1
Sediment Sample Analytical Results – VOCs
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	NYSDEC Soil Cleanup Objectives Unrestricted Use (1)	WC001 (Sediment) All Structures L1926360-01 6/18/2019		WC002 (Sediment) Foam Pad L1926360-02 6/18/2019		WC003 (Sediment) Ash Pit L1926360-03 6/18/2019	
Volatile Organics by EPA 5035 in mg/kg							
Methylene chloride	0.05	1.3	U	0.42	U	0.58	U
1,1-Dichloroethane	0.27	0.26	U	0.085	U	0.12	U
Chloroform	0.37	0.39	U	0.13	U	0.17	U
Carbon tetrachloride	0.76	0.26	U	0.085	U	0.12	U
1,2-Dichloropropane	NS	0.26	U	0.085	U	0.12	U
Dibromochloromethane	NS	0.26	U	0.085	U	0.12	U
1,1,2-Trichloroethane	NS	0.26	U	0.085	U	0.12	U
Tetrachloroethene	1.3	0.13	U	0.042	U	0.14	
Chlorobenzene	1.1	0.13	U	0.12		0.08	
Trichlorofluoromethane	NS	1	U	0.34	U	0.46	U
1,2-Dichloroethane	0.02	0.26	U	0.085	U	0.16	
1,1,1-Trichloroethane	0.68	0.13	U	0.042	U	0.058	U
Bromodichloromethane	NS	0.13	U	0.042	U	0.058	U
trans-1,3-Dichloropropene	NS	0.26	U	0.085	U	0.12	U
cis-1,3-Dichloropropene	NS	0.13	U	0.042	U	0.058	U
1,3-Dichloropropene, Total	NS	0.13	U	0.042	U	0.058	U
1,1-Dichloropropene	NS	0.13	U	0.042	U	0.058	U
Bromoform	NS	1	U	0.34	U	0.46	U
1,1,2,2-Tetrachloroethane	NS	0.13	U	0.042	U	0.058	U
Benzene	0.1	0.13	U	0.042	U	3.6	
Toluene	0.7	0.15	J	0.052	J	1	
Ethylbenzene	1	0.11	J	0.085	U	0.36	
Chloromethane	NS	1	U	0.34	U	0.46	U
Bromomethane	NS	0.52	U	0.17	U	0.23	U
Vinyl chloride	0.02	0.26	U	0.085	U	0.12	U
Chloroethane	NS	0.52	U	0.17	U	0.23	U
1,1-Dichloroethene	0.33	0.26	U	0.085	U	0.12	U
trans-1,2-Dichloroethene	0.19	0.39	U	0.13	U	0.17	U
Trichloroethene	0.47	0.13		0.042	U	0.058	U
1,2-Dichlorobenzene	1.1	0.52	U	0.081	J	0.017	J
1,3-Dichlorobenzene	2.4	0.52	U	0.029	J	0.23	U
1,4-Dichlorobenzene	1.8	0.52	U	0.079	J	0.23	U
Methyl tert butyl ether	0.93	0.52	U	0.17	U	0.23	U
p/m-Xylene	NS	0.38	J	0.17	U	0.68	
o-Xylene	NS	0.26	U	0.085	U	0.22	
Xylenes, Total	0.26	0.38	J	0.085	U	0.9	
cis-1,2-Dichloroethene	0.25	0.26	U	0.085	U	0.12	U
1,2-Dichloroethene, Total	NS	0.26	U	0.085	U	0.12	U
Dibromomethane	NS	0.52	U	0.17	U	0.23	U
Styrene	NS	0.26	U	0.085	U	0.1	J
Dichlorodifluoromethane	NS	2.6	U	0.85	U	1.2	U
Acetone	0.05	2.6	U	0.68	J	1.2	U
Carbon disulfide	NS	2.6	U	0.85	U	1.2	U
2-Butanone	0.12	2.6	U	0.85	U	1.2	U
Vinyl acetate	NS	2.6	U	0.85	U	1.2	U
4-Methyl-2-pentanone	NS	2.6	U	0.85	U	1.2	U
1,2,3-Trichloropropane	NS	0.52	U	0.17	U	0.23	U
2-Hexanone	NS	2.6	U	0.85	U	1.2	U
Bromochloromethane	NS	0.52	U	0.17	U	0.23	U
2,2-Dichloropropane	NS	0.52	U	0.17	U	0.23	U
1,2-Dibromoethane	NS	0.26	U	0.085	U	0.12	U
1,3-Dichloropropane	NS	0.52	U	0.17	U	0.23	U
1,1,1,2-Tetrachloroethane	NS	0.13	U	0.042	U	0.058	U
Bromobenzene	NS	0.52	U	0.17	U	0.23	U
n-Butylbenzene	12	0.24	J	0.028	J	0.038	J
sec-Butylbenzene	11	0.09	J	0.079	J	0.12	U
tert-Butylbenzene	5.9	0.52	U	0.17	U	0.23	U
o-Chlorotoluene	NS	0.52	U	0.17	U	0.23	U
p-Chlorotoluene	NS	0.52	U	0.17	U	0.23	U
1,2-Dibromo-3-chloropropane	NS	0.78	U	0.25	U	0.35	U
Hexachlorobutadiene	NS	1	U	0.34	U	0.46	U
Isopropylbenzene	NS	0.032	J	0.085	U	0.025	J
p-Isopropyltoluene	NS	0.12	J	0.19		0.035	J
Naphthalene	12	0.87	J	0.1	J	0.5	
Acrylonitrile	NS	1	U	0.34	U	0.46	U
n-Propylbenzene	3.9	0.13	J	0.085	U	0.087	J
1,2,3-Trichlorobenzene	NS	0.52	U	0.17	U	0.23	U
1,2,4-Trichlorobenzene	NS	0.52	U	0.17	U	0.23	U
1,3,5-Trimethylbenzene	8.4	0.36	J	0.021	J	0.17	J
1,2,4-Trimethylbenzene	3.6	1.3		0.044	J	0.33	
1,4-Dioxane	0.1	21	U	6.8	U	9.2	U
p-Diethylbenzene	NS	1.5		0.084	J	0.19	J
p-Ethyltoluene	NS	0.75		0.17	U	0.32	
1,2,4,5-Tetramethylbenzene	NS	0.58		0.037	J	0.075	J
Ethyl ether	NS	0.52	U	0.17	U	0.23	U
trans-1,4-Dichloro-2-butene	NS	1.3	U	0.42	U	0.58	U
Total VOCs		6.612		1.624		8.127	

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8a 12/0
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the samp
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2
Sediment Sample Analytical Results – PFAs
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Sediment)		WC002 (Sediment)		WC003 (Sediment)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1926360-01		L1926360-02		L1926360-03	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
Perfluorinated Alkyl Acids by Isotope Dilution in mg/kg						
Perfluorobutanoic Acid (PFBA)	0.0311	U	0.304	U	0.000058	J
Perfluoropentanoic Acid (PFPeA)	0.0311	U	0.304	U	0.000136	J
Perfluorobutanesulfonic Acid (PFBS)	0.0311	U	0.304	U	0.00022	J
Perfluorohexanoic Acid (PFHxA)	0.0311	U	0.304	U	0.000294	J
Perfluoroheptanoic Acid (PFHpA)	0.0311	U	0.304	U	0.00023	J
Perfluorohexanesulfonic Acid (PFHxS)	0.0311	U	0.0518	J	0.00291	
Perfluorooctanoic Acid (PFOA)	0.0023	J	0.086	J	0.00148	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.0154	J	0.535		0.000746	J
Perfluoroheptanesulfonic Acid (PFHpS)	0.00568	J	0.25	J	0.000376	J
Perfluorononanoic Acid (PFNA)	0.148		6.25		0.00131	
Perfluorooctanesulfonic Acid (PFOS)	1.58		66.4		0.0705	
Perfluorodecanoic Acid (PFDA)	0.022	J	0.706		0.00388	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.193		5.79		0.00238	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.0311	U	0.304	U	0.00284	
Perfluoroundecanoic Acid (PFUnA)	0.516		16.4		0.00465	
Perfluorodecanesulfonic Acid (PFDS)	0.0311	U	0.117	J	0.000215	J
Perfluorooctanesulfonamide (FOSA)	0.083		3.77		0.00216	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.0311	U	0.304	U	0.00135	
Perfluorododecanoic Acid (PFDoA)	0.0215	J	0.451		0.00301	
Perfluorotridecanoic Acid (PFTrDA)	0.186		2.88		0.0024	
Perfluorotetradecanoic Acid (PFTA)	0.00751	J	0.0448	J	0.00103	
PFOA/PFOS, Total	1.58	J	66.5	J	0.072	

Notes:
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Highlighted text denotes concentrations exceeding NYSDEC Directive

Table 3
Sediment Sample Analytical Results – SVOCs
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	NYSDEC Soil Cleanup Objectives Unrestricted Use (1)	WC001 (Sediment) All Structures L1926360-01 6/18/2019		WC002 (Sediment) Foam Pad L1926360-02 6/18/2019		WC003 (Sediment) Ash Pit L1926360-03 6/18/2019	
Semi-Volatile Organic Compounds by USEPA Method 8270 in mg/kg							
Acenaphthene	20	0.13	J	0.74	U	0.45	U
1,2,4-Trichlorobenzene	NS	0.21	U	0.92	U	0.56	U
Hexachlorobenzene	0.33	0.12	U	0.55	U	0.34	U
Bis(2-chloroethyl)ether	NS	0.19	U	0.83	U	0.5	U
2-Chloronaphthalene	NS	0.21	U	0.92	U	0.56	U
1,2-Dichlorobenzene	1.1	0.21	U	0.92	U	0.56	U
1,3-Dichlorobenzene	2.4	0.21	U	0.92	U	0.56	U
1,4-Dichlorobenzene	1.8	0.21	U	0.92	U	0.56	U
3,3'-Dichlorobenzidine	NS	0.21	U	0.92	U	0.56	U
2,4-Dinitrotoluene	NS	0.21	U	0.92	U	0.56	U
2,6-Dinitrotoluene	NS	0.21	U	0.92	U	0.56	U
Fluoranthene	100	0.92		0.18	J	0.28	J
4-Chlorophenyl phenyl ether	NS	0.21	U	0.92	U	0.56	U
4-Bromophenyl phenyl ether	NS	0.21	U	0.92	U	0.56	U
Bis(2-chloroisopropyl)ether	NS	0.25	U	1.1	U	0.67	U
Bis(2-chloroethoxy)methane	NS	0.22	U	1	U	0.6	U
Hexachlorobutadiene	NS	0.21	U	0.92	U	0.56	U
Hexachlorocyclopentadiene	NS	0.6	U	2.6	U	1.6	U
Hexachloroethane	NS	0.17	U	0.74	U	0.45	U
Isophorone	NS	0.19	U	0.83	U	0.5	U
Naphthalene	12	0.75		0.92	U	1.3	
Nitrobenzene	NS	0.19	U	0.83	U	0.5	U
NDPA/DPA	NS	0.17	U	0.74	U	0.45	U
n-Nitrosodi-n-propylamine	NS	0.21	U	0.92	U	0.56	U
Bis(2-ethylhexyl)phthalate	NS	1.3		1.7		2.6	
Butyl benzyl phthalate	NS	0.21	U	0.92	U	0.56	U
Di-n-butylphthalate	NS	0.21	U	0.92	U	0.56	U
Di-n-octylphthalate	NS	0.21	U	0.92	U	0.56	U
Diethyl phthalate	NS	0.21	U	0.92	U	0.56	U
Dimethyl phthalate	NS	0.21	U	0.92	U	0.56	U
Benzo(a)anthracene	1	0.4		0.55	U	0.099	J
Benzo(a)pyrene	1	0.6		0.74	U	0.45	U
Benzo(b)fluoranthene	1	0.76		0.55	U	0.15	J
Benzo(k)fluoranthene	0.8	0.21		0.55	U	0.34	U
Chrysene	1	0.46		0.1	J	0.37	
Acenaphthylene	100	0.15	J	0.74	U	0.21	J
Anthracene	100	0.25		0.55	U	0.18	J
Benzo(ghi)perylene	100	0.7		0.74	U	0.071	J
Fluorene	30	0.44		0.092	J	0.24	J
Phenanthrene	100	1.3		0.23	J	1.2	
Dibenzo(a,h)anthracene	0.33	0.081	J	0.55	U	0.34	U
Indeno(1,2,3-cd)pyrene	0.5	0.52		0.74	U	0.19	J
Pyrene	100	1.5		0.55	U	1.2	
Biphenyl	NS	0.3	J	0.16	J	2.4	
4-Chloroaniline	NS	0.21	U	0.92	U	0.56	U
2-Nitroaniline	NS	0.21	U	0.92	U	0.56	U
3-Nitroaniline	NS	0.21	U	0.92	U	0.56	U
4-Nitroaniline	NS	0.21	U	0.92	U	0.56	U
Dibenzofuran	7	0.13	J	0.92	U	0.19	J
2-Methylnaphthalene	NS	2		0.2	J	0.64	J
1,2,4,5-Tetrachlorobenzene	NS	0.21	U	0.92	U	0.56	U
Acetophenone	NS	0.21	U	0.92	U	2.9	
2,4,6-Trichlorophenol	NS	0.12	U	0.55	U	0.34	U
p-Chloro-m-cresol	NS	0.21	U	0.92	U	0.56	U
2-Chlorophenol	NS	0.21	U	0.92	U	0.56	U
2,4-Dichlorophenol	NS	0.19	U	0.83	U	0.5	U
2,4-Dimethylphenol	NS	0.21	U	0.92	U	0.56	U
2-Nitrophenol	NS	0.45	U	2	U	1.2	U
4-Nitrophenol	NS	0.29	U	1.3	U	0.78	U
2,4-Dinitrophenol	NS	1	U	4.4	U	2.7	U
4,6-Dinitro-o-cresol	NS	0.54	U	2.4	U	1.4	U
Pentachlorophenol	0.8	0.17	U	0.74	U	0.45	U
Phenol	0.33	0.33		0.92	U	0.9	
2-Methylphenol	0.33	0.21	U	0.92	U	0.096	J
3-Methylphenol/4-Methylphenol	0.33	0.39		1.3	U	0.5	J
2,4,5-Trichlorophenol	NS	0.21	U	0.92	U	0.56	U
Benzoic Acid	NS	0.68	U	3	U	1.3	J
Benzyl Alcohol	NS	0.21	U	0.92	U	0.56	U
Carbazole	NS	0.077	J	0.92	U	0.16	J
1,4-Dioxane	0.1	0.031	U	0.14	U	0.13	
Total SVOCs		13.698		2.662		17.306	

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the samp
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Sediment Sample Analytical Results – Metals
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	NYSDEC Soil Cleanup Objectives Unrestricted Use (1)	WC001 (Sediment) All Structures L1926360-01 6/18/2019		WC002 (Sediment) Foam Pad L1926360-02 6/18/2019		WC003 (Sediment) Ash Pit L1926360-03 6/18/2019	
Total Metals by USEPA Method 6010 in mg/kg							
Aluminum, Total	NS	4410		2220		5830	
Antimony, Total	NS	1.68	J	1.77	J	241	
Arsenic, Total	13	3.4		2.18		48.3	
Barium, Total	350	26.6		40.2		858	
Beryllium, Total	7.2	0.484	U	0.531	U	0.649	U
Cadmium, Total	2.5	0.59	J	2.06		3.48	
Calcium, Total	NS	19000		3720		21400	
Chromium, Total	NS	22		29.8		208	
Cobalt, Total	NS	3.03		2.72		16	
Copper, Total	50	31.2		42.6		1300	
Iron, Total	NS	19800		17200		114000	
Lead, Total	63	27.4		69.6		98.7	
Magnesium, Total	NS	2520		829		1460	
Manganese, Total	1,600	124		80.9		750	
Mercury, Total	0.18	0.089		0.088	U	0.136	
Nickel, Total	30	11.1		7.76		217	
Potassium, Total	NS	256		195	J	1230	
Selenium, Total	3.9	0.368	J	0.372	J	2.6	U
Silver, Total	2	0.967	U	1.06	U	1.08	J
Sodium, Total	NS	262		354		482	
Thallium, Total	NS	1.93	U	2.12	U	0.636	J
Vanadium, Total	NS	15.9		11.3		11.6	
Zinc, Total	109	107		212		5720	

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in th
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 5
Sediment Sample Analytical Results – Pesticides PCBs
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	NYSDEC Soil Cleanup Objectives Unrestricted Use (1)	WC001 (Sediment) All Structures L1926360-01 6/18/2019		WC002 (Sediment) Foam Pad L1926360-02 6/18/2019		WC003 (Sediment) Ash Pit L1926360-03 6/18/2019	
Organochlorine Pesticides by GC in mg/kg							
Delta-BHC	0.04	0.002	U	0.00213	U	0.00266	U
Lindane	0.1	0.000831	U	0.000889	U	0.00111	U
Alpha-BHC	0.02	0.000831	U	0.000889	U	0.00111	U
Beta-BHC	0.036	0.002	U	0.00213	U	0.00266	U
Heptachlor	0.042	0.000998	U	0.00107	U	0.00133	U
Aldrin	0.005	0.002	U	0.00213	U	0.00266	U
Heptachlor epoxide	NS	0.00374	U	0.004	U	0.00652	IP
Endrin	0.014	0.000831	U	0.000889	U	0.00111	U
Endrin aldehyde	NS	0.0281	P	0.00267	U	0.00332	U
Endrin ketone	NS	0.002	U	0.00213	U	0.00266	U
Dieldrin	0.005	0.00125	U	0.00133	U	0.00166	U
4,4'-DDE	0.0033	0.00749		0.00213	U	0.00266	U
4,4'-DDD	0.0033	0.0164	P	0.00213	U	0.00266	U
4,4'-DDT	0.0033	0.00734		0.004	U	0.00499	U
Endosulfan I	2.4	0.002	U	0.00213	U	0.00266	U
Endosulfan II	2.4	0.00477	P	0.00213	U	0.00266	U
Endosulfan sulfate	2.4	0.000831	U	0.000889	U	0.00111	U
Methoxychlor	NS	0.00374	U	0.004	U	0.00499	U
Toxaphene	NS	0.0374	U	0.04	U	0.0499	U
cis-Chlordane	0.094	0.00412	P	0.00267	U	0.00332	U
trans-Chlordane	NS	0.00249	U	0.00267	U	0.00332	U
Chlordane	NS	0.0873	P	0.0173	U	0.0216	U
Polychlorinated Biphenyls by GC in mg/kg							
Aroclor 1016	0.1	0.0416	U	0.0448	U	0.0542	U
Aroclor 1221	0.1	0.0416	U	0.0448	U	0.0542	U
Aroclor 1232	0.1	0.0416	U	0.0448	U	0.0542	U
Aroclor 1242	0.1	0.0416	U	0.0448	U	0.0542	U
Aroclor 1248	0.1	0.043		0.0448	U	0.0542	U
Aroclor 1254	0.1	0.0477		0.0815		0.0542	U
Aroclor 1260	0.1	0.0132	J	0.0282	J	0.0542	U
Aroclor 1262	0.1	0.0416	U	0.0448	U	0.0542	U
Aroclor 1268	0.1	0.0416	U	0.0448	U	0.0542	U
PCBs, Total	0.1	0.104	J	0.11	J	0.0542	U

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
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.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 6
Sediment Sample Analytical Results – General Chemistry
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	NYSDEC Soil Cleanup Objectives Unrestricted Use (1)	WC001 (Sediment) All Structures L1926360-01 6/18/2019	WC002 (Sediment) Foam Pad L1926360-02 6/18/2019	WC003 (Sediment) Ash Pit L1926360-03 6/18/2019
General Chemistry in mg/kg				
Solids, Total	NS	79.4	71.7	58.4
pH (H)	NS	10.6	7.4	7.7
Cyanide, Reactive	NS	10 U	10 U	10 U
Sulfide, Reactive	NS	10 U	10 U	10 U
Paint Filter Liquid	NS	NEGATIVE	POSITIVE	NEGATIVE
NJ Extractable Petroleum Hydrocarbons (Total) in mg/kg				
Total EPH	NS	2690	2020	4490
Ignitability of Solids				
Ignitability	NS	NI	NI	NI

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8a 12/0
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
NI - Not ignitable
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sam

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 7
Sediment Sample Analytical Results – TCLP
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Sediment)		WC002 (Sediment)		WC003 (Sediment)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1926360-01		L1926360-02		L1926360-03	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
TCLP Volatiles by EPA 1311 in mg/L						
Chloroform	0.0075	U	0.0075	U	0.0075	U
Carbon tetrachloride	0.005	U	0.005	U	0.005	U
Tetrachloroethene	0.005	U	0.005	U	0.005	U
Chlorobenzene	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	0.005	U	0.005	U	0.005	U
Benzene	0.005	U	0.005	U	0.0032	J
Vinyl chloride	0.01	U	0.01	U	0.01	U
1,1-Dichloroethene	0.005	U	0.005	U	0.005	U
Trichloroethene	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	0.025	U	0.025	U	0.025	U
2-Butanone	0.05	U	0.05	U	0.05	U
SUM	-		-		0.0032	
TCLP Semivolatiles by EPA 1311 in mg/L						
Hexachlorobenzene	0.01	U	0.01	U	0.01	U
2,4-Dinitrotoluene	0.025	U	0.025	U	0.025	U
Hexachlorobutadiene	0.01	U	0.01	U	0.01	U
Hexachloroethane	0.01	U	0.01	U	0.01	U
Nitrobenzene	0.01	U	0.01	U	0.01	U
2,4,6-Trichlorophenol	0.025	U	0.025	U	0.025	U
Pentachlorophenol	0.05	U	0.05	U	0.05	U
2-Methylphenol	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	0.025	U	0.025	U	0.025	U
2,4,5-Trichlorophenol	0.025	U	0.025	U	0.025	U
Pyridine	0.018	U	0.018	U	0.018	U
SUM	-		-		-	
TCLP Herbicides by EPA 1311 in mg/L						
2,4-D	0.025	U	0.025	U	0.025	U
2,4,5-TP (Silvex)	0.005	U	0.005	U	0.005	U
TCLP Pesticides by EPA 1311 in mg/L						
Lindane	0.0001	U	0.0001	U	0.0001	U
Heptachlor	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	0.0001	U	0.0001	U	0.0001	U
Endrin	0.0002	U	0.0002	U	0.0002	U
Methoxychlor	0.001	U	0.001	U	0.001	U
Toxaphene	0.001	U	0.001	U	0.001	U
Chlordane	0.001	U	0.001	U	0.001	U
TCLP Metals by EPA 1311 in mg/L						
Arsenic, TCLP	0.029	J	0.041	J	1	U
Barium, TCLP	0.356	J	0.625		3.36	
Cadmium, TCLP	0.1	U	0.1	U	0.012	J
Chromium, TCLP	0.2	U	0.021	J	0.027	J
Lead, TCLP	0.5	U	0.152	J	0.5	U
Mercury, TCLP	0.001	U	0.001	U	0.001	U
Selenium, TCLP	0.5	U	0.5	U	0.5	U
Silver, TCLP	0.1	U	0.1	U	0.1	U

Notes:
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

Table 8
Liquid Sample Analytical Results – VOCs
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Liquid)		WC002 (Liquid)		WC003 (Liquid)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1927875-04		L1927875-05		L1927875-06	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
Volatile Organic Compounds by USEPA Method 8260 in µg/L						
Methylene chloride	25	U	12	U	2.5	U
1,1-Dichloroethane	25	U	12	U	2.5	U
Chloroform	25	U	12	U	2.5	U
Carbon tetrachloride	5	U	2.5	U	0.5	U
1,2-Dichloropropane	10	U	5	U	1	U
Dibromochloromethane	5	U	2.5	U	0.5	U
1,1,2-Trichloroethane	15	U	7.5	U	1.5	U
Tetrachloroethene	5	U	2.5	U	0.5	U
Chlorobenzene	25	U	12	U	2.5	U
Trichlorofluoromethane	25	U	12	U	2.5	U
1,2-Dichloroethane	5	U	2.5	U	0.42	J
1,1,1-Trichloroethane	25	U	12	U	2.5	U
Bromodichloromethane	5	U	2.5	U	0.5	U
trans-1,3-Dichloropropene	5	U	2.5	U	0.5	U
cis-1,3-Dichloropropene	5	U	2.5	U	0.5	U
1,3-Dichloropropene, Total	5	U	2.5	U	0.5	U
1,1-Dichloropropene	25	U	12	U	2.5	U
Bromoform	20	U	10	U	2	U
1,1,2,2-Tetrachloroethane	5	U	2.5	U	0.5	U
Benzene	36		4		17	
Toluene	300		49		130	
Ethylbenzene	99		15		44	
Chloromethane	25	U	12	U	2.5	U
Bromomethane	25	U	12	U	2.5	U
Vinyl chloride	10	U	5	U	1	U
Chloroethane	25	U	12	U	2.5	U
1,1-Dichloroethene	5	U	2.5	U	0.5	U
trans-1,2-Dichloroethene	25	U	12	U	2.5	U
Trichloroethene	5	U	2.5	U	0.5	U
1,2-Dichlorobenzene	25	U	12	U	2.5	U
1,3-Dichlorobenzene	25	U	12	U	2.5	U
1,4-Dichlorobenzene	25	U	12	U	2.5	U
Methyl tert butyl ether	25	U	12	U	2.5	U
p/m-Xylene	420		75		160	
o-Xylene	250		34		95	
Xylenes, Total	670		110		260	
cis-1,2-Dichloroethene	25	U	12	U	2.5	U
1,2-Dichloroethene, Total	25	U	12	U	2.5	U
Dibromomethane	50	U	25	U	5	U
1,2,3-Trichloropropane	25	U	12	U	2.5	U
Acrylonitrile	50	U	25	U	5	U
Styrene	25	U	12	U	2.5	U
Dichlorodifluoromethane	50	U	25	U	5	U
Acetone	110		10	J	13	
Carbon disulfide	50	U	25	U	5	U
2-Butanone	70		25	U	8.3	
Vinyl acetate	50	U	25	U	5	U
4-Methyl-2-pentanone	50	U	25	U	5	U
2-Hexanone	19	J	25	U	5	U
Bromochloromethane	25	U	12	U	2.5	U
2,2-Dichloropropane	25	U	12	U	2.5	U
1,2-Dibromoethane	20	U	10	U	2	U
1,3-Dichloropropane	25	U	12	U	2.5	U
1,1,1,2-Tetrachloroethane	25	U	12	U	2.5	U
Bromobenzene	25	U	12	U	2.5	U
n-Butylbenzene	15	J	3.7	J	2.5	U
sec-Butylbenzene	11	J	5.3	J	2.5	U
tert-Butylbenzene	25	U	12	U	2.5	U
o-Chlorotoluene	25	U	12	U	2.5	U
p-Chlorotoluene	25	U	12	U	2.5	U
1,2-Dibromo-3-chloropropane	25	U	12	U	2.5	U
Hexachlorobutadiene	25	U	12	U	2.5	U
Isopropylbenzene	19	J	4.2	J	2.6	
p-Isopropyltoluene	9.7	J	3.6	J	2.5	U
Naphthalene	74		64		26	
n-Propylbenzene	38		6.9	J	7.2	
1,2,3-Trichlorobenzene	25	U	12	U	2.5	U
1,2,4-Trichlorobenzene	25	U	12	U	2.5	U
1,3,5-Trimethylbenzene	83		24		17	
1,2,4-Trimethylbenzene	320		99		71	
1,4-Dioxane	2500	U	1200	U	250	U
p-Diethylbenzene	59		40		2	U
p-Ethyltoluene	190		60		49	
1,2,4,5-Tetramethylbenzene	25		22		5.8	
Ethyl ether	25	U	4.5	J	2.5	U
trans-1,4-Dichloro-2-butene	25	U	12	U	2.5	U
Total VOCs	2147.7		524.2		646.32	

Notes:
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

Table 9
Liquid Sample Analytical Results – PFAs
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Liquid)		WC002 (Liquid)		WC003 (Liquid)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1927875-04		L1927875-05		L1927875-06	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
Perfluorinated Alkyl Acids by Isotope Dilution in µg/L						
Perfluorobutanoic Acid (PFBA)	0.4	U	0.234		0.0459	J
Perfluoropentanoic Acid (PFPeA)	0.267	J	0.706		0.106	
Perfluorobutanesulfonic Acid (PFBS)	0.4	U	0.044	J	0.0249	J
Perfluorohexanoic Acid (PFHxA)	0.385	J	1.26		0.226	
Perfluoroheptanoic Acid (PFHpA)	0.116	J	0.454		0.102	
Perfluorohexanesulfonic Acid (PFHxS)	1.37		1.24		0.291	
Perfluorooctanoic Acid (PFOA)	1.16		1.53		0.363	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.81		16.7		0.67	
Perfluoroheptanesulfonic Acid (PFHpS)	1.06		0.2		0.0699	
Perfluorononanoic Acid (PFNA)	21.6		6.6		2.17	
Perfluorooctanesulfonic Acid (PFOS)	73		9.08		16.9	
Perfluorodecanoic Acid (PFDA)	0.576		0.491		0.222	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	6.98		8.46		1.94	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.4	U	0.2	U	0.05	U
Perfluoroundecanoic Acid (PFUnA)	2.27		0.812		1.87	
Perfluorodecanesulfonic Acid (PFDS)	0.4	U	0.2	U	0.05	U
Perfluorooctanesulfonamide (FOSA)	0.518		0.2	U	0.191	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.4	U	0.2	U	0.05	U
Perfluorododecanoic Acid (PFDoA)	0.0936	J	0.144	J	0.0251	J
Perfluorotridecanoic Acid (PFTrDA)	0.624		0.361		0.124	
Perfluorotetradecanoic Acid (PFTA)	0.4	U	0.0756	J	0.05	U
PFOA/PFOS, Total	74.2		10.6		17.3	

Notes:
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 10
Liquid Sample Analytical Results – SVOCs
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Liquid)		WC002 (Liquid)		WC003 (Liquid)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1927875-04		L1927875-05		L1927875-06	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
Semi-Volatile Organic Compounds by USEPA Method 8270 in µg/L						
Semivolatile Organics by GC/MS						
1,2,4-Trichlorobenzene	120	U	100	U	100	U
Bis(2-chloroethyl)ether	50	U	40	U	40	U
1,2-Dichlorobenzene	50	U	40	U	40	U
1,3-Dichlorobenzene	50	U	40	U	40	U
1,4-Dichlorobenzene	50	U	40	U	40	U
3,3'-Dichlorobenzidine	120	U	100	U	100	U
2,4-Dinitrotoluene	120	U	100	U	100	U
2,6-Dinitrotoluene	120	U	100	U	100	U
4-Chlorophenyl phenyl ether	50	U	40	U	40	U
4-Bromophenyl phenyl ether	50	U	40	U	40	U
Bis(2-chloroisopropyl)ether	50	U	40	U	40	U
Bis(2-chloroethoxy)methane	120	U	100	U	100	U
Hexachlorocyclopentadiene	500	U	400	U	400	U
Isophorone	120	U	100	U	100	U
Nitrobenzene	50	U	40	U	40	U
NDPA/DPA	50	U	40	U	40	U
n-Nitrosodi-n-propylamine	120	U	100	U	100	U
Bis(2-ethylhexyl)phthalate	75	U	47	J	60	U
Butyl benzyl phthalate	120	U	100	U	100	U
Di-n-butylphthalate	120	U	100	U	100	U
Di-n-octylphthalate	120	U	100	U	100	U
Diethyl phthalate	120	U	100	U	100	U
Dimethyl phthalate	120	U	100	U	100	U
Biphenyl	400		12	J	40	U
4-Chloroaniline	120	U	100	U	100	U
2-Nitroaniline	120	U	100	U	100	U
3-Nitroaniline	120	U	100	U	100	U
4-Nitroaniline	120	U	100	U	100	U
Dibenzofuran	50	U	40	U	40	U
1,2,4,5-Tetrachlorobenzene	250	U	200	U	200	U
Acetophenone	120	U	100	U	100	U
2,4,6-Trichlorophenol	120	U	100	U	100	U
p-Chloro-m-cresol	50	U	40	U	40	U
2-Chlorophenol	50	U	40	U	40	U
2,4-Dichlorophenol	120	U	100	U	100	U
2,4-Dimethylphenol	120	U	100	U	100	U
2-Nitrophenol	250	U	200	U	200	U
4-Nitrophenol	250	U	200	U	200	U
2,4-Dinitrophenol	500	U	400	U	400	U
4,6-Dinitro-o-cresol	250	U	200	U	200	U
Phenol	120	U	100	U	100	U
2-Methylphenol	120	U	100	U	100	U
3-Methylphenol/4-Methylphenol	120	U	100	U	100	U
2,4,5-Trichlorophenol	120	U	100	U	100	U
Benzoic Acid	1200	U	1000	U	1000	U
Benzyl Alcohol	50	U	40	U	40	U
Carbazole	50	U	40	U	40	U
Total SVOCs	400		59		-	
Semivolatile Organics by GC/MS-SIM						
Acenaphthene	36		3.9		2.7	
2-Chloronaphthalene	20	U	2	U	5	U
Fluoranthene	10	U	1	U	1.5	J
Hexachlorobutadiene	50	U	5	U	12	U
Naphthalene	670		33		68	
Benzo(a)anthracene	4.3	J	0.72	J	2.5	U
Benzo(a)pyrene	10	U	0.34	J	2.5	U
Benzo(b)fluoranthene	10	U	0.55	J	2.5	U
Benzo(k)fluoranthene	10	U	0.24	J	2.5	U
Chrysene	3.9	J	0.63	J	2.5	U
Acenaphthylene	10	U	1	U	1.5	J
Anthracene	51		3.6		3.5	
Benzo(ghi)perylene	3.7	J	1	U	2.5	U
Fluorene	120		7		5.7	
Phenanthrene	150		9.4		11	
Dibenzo(a,h)anthracene	10	U	1	U	2.5	U
Indeno(1,2,3-cd)pyrene	3.3	J	0.43	J	2.5	U
Pyrene	10	U	4.9		6.8	
2-Methylnaphthalene	1800		64		120	
Pentachlorophenol	80	U	8	U	20	U
Hexachlorobenzene	80	U	8	U	20	U
Hexachloroethane	80	U	8	U	20	U
Total SVOCs	2842.2		128.71		220.7	

Notes:
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

Table 11
Liquid Sample Analytical Results – Pesticides PCBs
67 Maple Street, Yahpank, NY

Client Sample ID: Location: Laboratory ID: Sampling Date:	WC001 (Liquid) All Structures L1927875-04 6/18/2019		WC002 (Liquid) Foam Pad L1927875-05 6/18/2019		WC003 (Liquid) Ash Pit L1927875-06 6/18/2019	
Organochlorine Pesticides by GC in in µg/L						
Delta-BHC	0.286	U	0.143	U	0.014	U
Lindane	0.286	U	0.143	U	0.014	U
Alpha-BHC	0.286	U	0.143	U	0.014	U
Beta-BHC	0.286	U	0.143	U	0.014	U
Heptachlor	0.286	U	0.143	U	0.014	U
Aldrin	0.286	U	0.143	U	0.014	U
Heptachlor epoxide	0.286	U	0.143	U	0.014	U
Endrin	0.571	U	0.286	U	0.029	U
Endrin aldehyde	0.571	U	0.286	U	0.029	U
Endrin ketone	0.571	U	0.286	U	0.029	U
Dieldrin	0.571	U	0.286	U	0.029	U
4,4'-DDE	0.571	U	0.286	U	0.029	U
4,4'-DDD	0.571	U	0.286	U	0.029	U
4,4'-DDT	0.571	U	0.286	U	0.029	U
Endosulfan I	0.286	U	0.143	U	0.014	U
Endosulfan II	0.571	U	0.286	U	0.029	U
Endosulfan sulfate	0.571	U	0.286	U	0.029	U
Methoxychlor	2.86	U	1.43	U	0.143	U
Toxaphene	2.86	U	1.43	U	0.143	U
cis-Chlordane	0.286	U	0.143	U	0.014	U
trans-Chlordane	0.286	U	0.143	U	0.014	U
Chlordane	2.86	U	1.43	U	0.143	U
Polychlorinated Biphenyls by GC in µg/L						
Aroclor 1016	0.414	U	0.083	U	0.083	U
Aroclor 1221	0.414	U	0.083	U	0.083	U
Aroclor 1232	0.414	U	0.083	U	0.083	U
Aroclor 1242	0.414	U	0.083	U	0.083	U
Aroclor 1248	0.414	U	0.083	U	0.083	U
Aroclor 1254	0.414	U	0.083	U	0.083	U
Aroclor 1260	0.414	U	0.083	U	0.083	U
Aroclor 1262	0.414	U	0.083	U	0.083	U
Aroclor 1268	0.414	U	0.083	U	0.083	U
PCBs, Total	0.414	U	0.083	U	0.083	U

Notes:
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

Table 12
Liquid Sample Analytical Results – Metals
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Liquid)		WC002 (Liquid)		WC003 (Liquid)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1927875-04		L1927875-05		L1927875-06	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
Total Metals by USEPA Method 6010 in µg/L						
Aluminum, Total	5,580		3,640		1,760	
Antimony, Total	4.23		4.27		13.61	
Arsenic, Total	7.81		7.31		9.44	
Barium, Total	225.4		72.14		194.7	
Beryllium, Total	0.38	J	0.5	U	0.5	U
Cadmium, Total	3.31		4.09		1.96	
Calcium, Total	37,200		29,000		50,200	
Chromium, Total	11.79		9.96		8.06	
Cobalt, Total	5.35		1.72		1.91	
Copper, Total	93.35		80.71		90.19	
Iron, Total	9,520		14,300		4,280	
Lead, Total	214.8		30.89		55.61	
Magnesium, Total	4,170		3,340		20,000	
Manganese, Total	286		397		257	
Mercury, Total	0.31		0.24		0.76	
Nickel, Total	16.16		21.28		12.12	
Potassium, Total	25,100		7,600		37,800	
Selenium, Total	5	U	5	U	5	U
Silver, Total	0.4	U	0.4	U	0.4	U
Sodium, Total	85,100		29,500		17,300	
Thallium, Total	0.5	U	0.5	U	0.5	U
Vanadium, Total	16.45		7.02		6.27	
Zinc, Total	600.9		399.3		429.8	

Notes:
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Table 13
Liquid Sample Analytical Results – General Chemistry
67 Maple Street, Yahpank, NY

Client Sample ID:	WC001 (Liquid)		WC002 (Liquid)		WC003 (Liquid)	
Location:	All Structures		Foam Pad		Ash Pit	
Laboratory ID:	L1927875-04		L1927875-05		L1927875-06	
Sampling Date:	6/18/2019		6/18/2019		6/18/2019	
General Chemistry in mg/kg						
pH (H)	6.8		6.1		7.5	
Flash Point	>150		>150		>150	
Cyanide, Reactive	1000	U	1000	U	1000	U
Sulfide, Reactive	1000	U	1000	U	1000	U

Notes:
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

APPENDIX D

WASTE APPROVAL LETTERS AND MANIFESTS

Tradebe Environmental Services, LLC

1433 E 83rd Ave, Suite 200
Merrillville, IN 46410
www.tradebeusa.com

Waste Stream Profile Approval Letter

December 4, 2019

John Ewen
Innovative Recycling Tech
690 North Queens Avenue
Lindenhurst NY 11757

Dear John Ewen

Tradebe Environmental Services wishes to inform you that the waste stream profile(s) below has been approved for shipment into NORLITE, LLC located in Cohoes, NY.

Profile Number:	1000240705
Profile Name:	NON HAZARDOUS WATER FOR INCINERATION
Generator Name:	Suffolk County Fire and Rescue 102 East Avenue, Yaphank, NY 11980
DOT Description:	NON DOT / NON RCRA REGULATED MATERIAL
Waste Codes:	
EPA Management Code:	H050
Process Code:	VIB
Special Requirements:	

Terms:

In accordance with 40 CFR 264.12(b) "Required Notice" and the State´s equivalent regulation, Tradebe Environmental Services, LLC is informing the Generator, Tradebe´s designated Facilities have the appropriate permit(s) for the approved listed waste stream profile and will accept the waste stream as described by the Generator/Broker, including but not limited to the Generator's Waste Stream Profile Sheet that was completed in accordance with 40 CFR 262.11 "Hazardous Waste Determination" and/or their State´s regulatory equivalent. If at any time the waste is found to contain constituents, properties, or concentrations inconsistent with the information supplied by the Generator/Broker, title to such waste shall not pass to Tradebe Environmental Services, LLC and in addition to a Rejection of the non-conforming waste, you shall be liable for all direct, indirect, and consequential damages incurred by Tradebe Environmental Services, LLC. Tradebe Environmental Services, LLC reserves the right, in its sole discretion, to utilize processes within RCRA environmental standards alternate to the process code stated above to process the waste listed on this approval letter.

To facilitate the expedited receipt and processing of the above waste, Tradebe Environmental Services, LLC requires that the above listed Waste Stream Number appear on each shipping document (Block 14 on the Uniform Hazardous Waste Manifest, Block 13 on the Nonhazardous Waste Manifest, or Description of Articles on a Bill of Lading).

Please contact our Customer Service Department at (888) 276-0887 to schedule or if you have any questions or comments regarding your waste stream.

Thank you for the opportunity to serve your environmental needs.

Kirk McCracken

Kirk McCracken, Approvals Manager

90529846 42256-1 2262757

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: N / A	2. Page 1 of 1	3. Emergency Response Phone: (267) 406-0083	4. Waste Tracking Number: 42256-1

5. Generator's Name and Mailing Address — Att: Andrew Lockwood
Suffolk County Fire, Rescue and Emergency Services
102 East Avenue
Yaphank NY 11980
Generator's Phone: 631 589-6353

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Innovative Recycling Technologies, Inc. — U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Norlite, LLC
628 South Saratoga Street
Cohoes NY 12047
Facility's Phone: 518 235-0401
U.S. EPA ID Number: NYD080469935

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non Hazardous Water for Incineration Non-DOT Regulated Material	001	TT	2733	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
9.1)1000240705
2262757
net wt.: 22380lbs
vol: 2763g
H040

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X William Young as agent for Suffolk County Fire — Signature: X [signature] — Month Day Year: 02 03 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Matthew S. Copeland — Signature: [signature] — Month Day Year: 02 03 20
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year:

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Ryan Wescott — Signature: [signature] — Month Day Year: 2 4 20

GENERATOR · TRANSPORTER · INT'L · DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

TRADEBE

Tradebe Environmental Services, LLC

1433 E 83rd Ave, Suite 200
Merrillville, IN 46410
www.tradebeusa.com

CERTIFICATE OF DESTRUCTION

To whom this may concern

This certificate is to verify that the waste described below, is handled in accordance with local, state, and federal regulations.

Name: Suffolk County Fire and Rescue

Address: 102 East Avenue Yaphank , NY 11980

Sales Order: 2262757

Facility
TTR Northeast Cohoes 628 S. Saratoga Street Cohoes , NY 12047 EPA ID: CTD021816889

Profile	Manifest / Page / Line	Quantity	Hcode
1000240705	42256-1 00001/001	2763.000 TT	H040

Robert O´Brien
Executive Vice President of Operations

NORLITE, LLC

Date:02/04/2020

On behalf of its subsidiary:TTR Northeast, LLC

RESPONSIBLE SM
RECYCLING
A commitment to our generators
our employees and our
community.

Norlite, LLC

628 SO. SARATOGA STREET
PO BOX 684
COHOES, NY 12047
PHONE: (518) 235-0401
FAX: (518) 235-0233

December 19, 2019

Lisa Baldwin
Innovative Recycling Technologies, Inc.
690 N. Queens Avenue
Lindenhurst, NY 11757

Re: Yaphank Fire Training Facility, NYSDEC Site Number 152246

Dear Ms. Baldwin,

Thank you for providing the letter from P.W. Grosser Consulting dated November 22, 2019 regarding the above-mentioned site. I have reviewed the letter and will include it in our approval files.

Norlite, LLC's (Norlite) environmental compliance department in conjunction with Tradebe Treatment & Recycling, LLC approvals department, have reviewed the profile and the submitted analytical. As indicated in the Waste Stream Approval Letter provided on December 4, 2019, Norlite can accept this material and will process it by thermal destruction (EPA Management Code H040).

Should you have any questions regarding this letter, please contact me at (518) 235-0401 or email at: Prince.Knight@Tradebe.com .

Sincerely,

Prince M Knight III

Prince M. Knight III
Environmental and Regulatory Compliance Manager

cc: Andrew Lockwood – PWGC
Jared Scata – Tradebe

Waste Stream Profile Approval Letter

Globalcycle, Inc wishes to inform you that the waste stream profile listed below is approved for shipment into Globalcycle's waste water treatment and recycling facility located on 700 Richmond Street in Taunton, MA:

STREAM NAME: PFAS Contaminated water

PROFILE APPROVAL NUMBER: S-410-001

GENERATOR NAME & SITE LOCATION:

Suffolk County Fire, Rescue and Emergency Services

102 East Ave

Yaphank, NY 11980

DOT DESCRIPTION: Non -DOT/RCRA Regulated

TREATMENT DESCRIPTION: This water will be received at Globalcycle, 700 Richmond Street, Taunton, MA & then transported to Covanta/SEMASS located in W. Wareham, MA, where this waste water will be direct injected into a boiler at an average temperature of 1600 F.

If you have any questions, please do not hesitate to contact me at 508-828-1005, ext 105.

Thank you.

Sincerely,

Stephen Pozner

Stephen Pozner, Vice President

700 Richmond Street
E. Taunton, MA. 02718
508-828-1005, ext 105 (office)
617-592-6200 (direct)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: N / A	2. Page 1 of 1	3. Emergency Response Phone: (267) 406-0063	4. Waste Tracking Number: 42378

5. Generator's Name and Mailing Address

Attn: Andrew Lockwood
Suffolk County Fire, Rescue and Emergency Services
102 East Avenue
Yaphank NY 11980
Generator's Phone: 631 588-6353

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Innovative Recycling Technologies, Inc.
U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Global Cycle
700 Richmond Street
East Taunton MA 02718
Facility's Phone: 508 828-1005
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non Hazardous PFAS Contaminated Water Non-DOT Regulated Material	001	TT	1518	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
9.1)S-410-001
Pro #
PH 6.5 Vis o/w
Plate # 71922 PC (NY)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Agent Signing For owner R. Lugattollo
Signature: Agent Signing for owner R. Lugattollo
Month 03 Day 30 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Matthew S. Copeland
Signature: [signature]
Month 03 Day 30 Year 20
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Steve Ivester
Signature: [signature]
Month 4 Day 1 Year 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: N / A	2. Page 1 of 1	3. Emergency Response Phone: (267) 405-0083	4. Waste Tracking Number: 42361

GENERATOR

5. Generator's Name and Mailing Address Attn: Andrew Lockwood
Suffolk County Fire, Rescue and Emergency Services
102 East Avenue
Yaphank NY 11980
Generator's Phone: 631 852-5353

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Innovative Recycling Technologies, Inc. — U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number
Global Cycle
700 Richmond Street
East Taunton MA 02718
Facility's Phone: 508 828-1005

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non Hazardous PFAS Contaminated Water Non-DOT Regulated Material	001	TT	2540	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
1) S-410-001
PO #
PH 7.7 Vis 06 Plate# 71922PC (NY)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: on behalf of Suffolk County — Signature: [signature] — Month 03 Day 23 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Ulrich — Signature: [signature] — Month 03 Day 23 Year 20
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Steve Tilestor — Signature: [signature] — Month 3 Day 24 Year 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

HERITAGE THERMAL SERVICES

1250 St. George Street
East Liverpool, Ohio 43920-3400

Telephone 330-385-7336
Telefax 330-385-7813

January 9, 2020

JOHN DULL
SUFFOLK COUNTY FIRE, RESCUE & EMERGENCY SERV.
103 EAST AVE
YAPHANK, NY 11980-2501
UNITED STATES

RE: Generator ID Number : 209908
Wastestream : 209908-1
Waste Name : PFAS CONTAMINATED SOIL

Dear John Dull:

In compliance with OAC 3745-54-12(B), we are notifying you that we are fully permitted to store and/or treat your waste. We will accept wastestream 209908-1 as reviewed and approved by Heritage Thermal Services, Inc. (HTS).

This wastestream will be handled in the following manner:

Non-reactive solid material is dumped into waste collection pit and fed via crane into the kiln. There is potential to comingle this material with other compatible waste streams.

We at HTS look forward to the opportunity to serve you.

Sincerely,

Christopher T. Pherson

Christopher T. Pherson, President

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of: 1

3. Emergency Response Phone: (267) 406-0083

4. Waste Tracking Number: 42410

5. Generator's Name and Mailing Address: AE Agnew Lockwood
Suffolk County Fire, Rescue and Emergency Services
102 East Avenue
Yaphank NY 11980
Generator's Phone: 631 852-6353

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Freehold Cartage, Inc.
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Heritage Environmental Services, LLC
1250 St. George Street
East Liverpool OH 43920
Facility's Phone: 330 385-7337
U.S. EPA ID Number: OHD980613541

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non Hazardous PFAS Contaminated Soil Non-DOT-Regulated Material	001	CM	20	Y	
2.						
3.	434					
4.						

13. Special Handling Instructions and Additional Information
9.1) 209908-1
Doc #
T148934

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: AS agent of Richard Lagattolla
Signature: Richard Lagattolla
Month: 4 Day: 14 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronnie Schlechtweg
Signature:
Month: 04 Day: 14 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Samuel Boggs
Signature:
Month: 4 Day: 15 Year: 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

Date printed: 04/15/2020
Time : 17:26:25

Heritage Thermal Services, Inc.

WEIGH TICKET

1250 St. George Street
East Liverpool, OH 43920-3400
Phone 330.385.7336

Authorization: HE20041712 **Truck Number:** T148934
Transporter: N/A

	Date:	Time:	Weight:
Enter	04/15/2020	14:58:00	58640
Exit	04/15/2020	17:26:00	40600
Net			18040

Wst Str: 209908-1

Document Numbers:

42410

Signatures

Heritage-WTI Security :_____

Driver :_____

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N/A	1	(267) 406-0083	42409

GENERATOR

5. Generator's Name and Mailing Address
Suffolk County Fire, Rescue and Emergency Services
Attn: Andrew Lockwood
102 East Avenue
Yaphank NY 11980
Generator's Phone: 631 852-6353

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Freehold Cartage, Inc.

U.S. EPA ID Number
NJD054126164

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Heritage Environmental Services, LLC
1250 St. George Street
East Liverpool OH 43920
Facility's Phone: 330 385-7337

U.S. EPA ID Number
OHD980613541

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non Hazardous PFAS Contaminated Soil Non-DOT-Regulated Material	001	CM	20	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1) 209908-1

Doc #

Box #9696

T148935

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: AS Agent of Richard Lagattolla
Signature: Richard Lagattolla
Month: 4 Day: 14 Year: 26

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Edd Feye
Signature:
Month: 04 Day: 14 Year: 26

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Samuel Bodge
Signature
Month: 4 Day: 15 Year: 20

Date printed: 04/15/2020
Time : 17:42:09

Heritage Thermal Services, Inc.

WEIGH TICKET

1250 St. George Street
East Liverpool, OH 43920-3400
Phone 330.385.7336

Authorization: HE20041713 **Truck Number:** T148935
Transporter: N/A

	Date:	Time:	Weight:
Enter	04/15/2020	15:49:00	55500
Exit	04/15/2020	17:42:00	36840
Net			18660

Wst Str: 209908-1

Document Numbers:

42409

Signatures

Heritage-WTI Security :_____

Driver :_____