TANK CLOSURE REPORT

For:

Cottage-Garden Auto Repair Site
30 Garden Street and 16 Cottage Place
New Rochelle, New York
(BCP# C360180)

Prepared for:

The Mark 95 LLC & The Mark 95 II LLC

and

MJ Garden LLC

1955 Central Park Avenue

Yonkers, New York 10710

Prepared by:

SESI CONSULTING ENGINEERS, D.P.C.
12A Maple Avenue
Pine Brook, NJ 07058

SEPTEMBER 2020

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1.0 INTRODUCTION

SESI Consulting Engineers DPC (SESI) has prepared this underground storage tank (UST) closure report to document the removal of three (3) petroleum bulk storage (PBS) tanks at the Cottage-Garden Auto Repair property, which has been investigated and remediated under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Clean-up Program, BCP# C360180, ("Site"). The Site is located at 30 Garden Street and 16 Cottage Place, New Rochelle, New York. A Site Location map is presented as **Figure 1.1** in **Appendix A.**

This document comprises an appendix to the Final Engineering Report submitted to NYSDEC in September 2020. The completed remedial actions documented in this UST Closure Report were conducted in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (DER-10) and Soil Clean-up Guidance CP-51, and the . All the work in this document was conducted under the Site governing documents including the Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), and the Community Air Monitoring Plan (CAMP). The Site plans were submitted to and approved by the NYSDEC as appendices to the SESI Remedial Investigation Work Plan (RIWP) dated November 2019.

This report includes the following elements:

- Removal and disposal of two (2) 3,000-gallon gasoline USTs
- Removal and disposal on one (1) 500-gallon (unknown contents) UST.
- Post- excavation sampling and analysis.

2.0 BACKGROUND

The Site is located at 30 Garden Street and 16 Cottage Place also formerly known as 10 Cottage Place, and 25 and 26 Garden Street, New Rochelle, New York. The Site totals 0.98 acres in size and is identified on the Westchester County tax map as Section-Block-Lot numbers 3-802-0032, 3-802-0036, and 3-802-0038. The Site is located in a mixed use residential and commercial area and is bounded by Cottage Place to the east, by Garden

Street to the south, by a vacant commercial property to the west, and by the New England Thruway (I-95) to the North. A Site Map is illustrated on **Figure 2.1**.

Historically the Site has been utilized for residential, commercial, and manufacturing purposes. Previous environmental investigations identified two (2) 3,000-gallon USTs that were closed-in-place in July 2001 which are the subject of this report. One (1) unknown 500-gallon UST was discovered during the Site redevelopment, which is also the subject of this report.

3.0 TANK CLOSURE ACTIVITIES

Prior to tank removal activities, the USTs were registered with the Westchester County Department of Health (WCDOH). In addition, tank removal permit applications were filed with the WCDOH and the New Rochelle Fire Department (NRFD). On February 7, 2020, the two (2) 3,000-gallon USTs (UST-1 and UST-2) were removed from the southeastern portion of the Site and set aside for inspections. Approximately five (5) yards of impacted soil from beneath the tanks was stockpiled on plastic sheeting pending waste characterization analysis. The NYSDEC, Westchester County Department of Health (WCDOH), and New Rochelle Fire Department (NRFD) were notified. The USTs and excavation were inspected on February 10, 2020 by representatives of the WCDOH and the NRFD. The tanks were observed to be filled with concrete, which is consistent with the NRFD records from June 2001 when the USTs were closed in place. No visible breaches or leaks were observed.

On February 20, 2020, a third unknown 500-gallon UST (UST-3) of unknown contents was encountered on the western portion of the Site. The tank was breached and a small volume of water contents from within the tank leaked on to the surrounding soils. Approximately 10 yards of soils were quickly excavated and stockpiled on plastic sheeting for waste characterization sampling. The NYSDEC spills hotline was notified and spill number 1910786 was assigned. On February 21, 2020, 225-gallons of residual water from within tank UST-3 was pumped by Luzon Environmental of Woodbridge, NY (Luzon) and transported off-site for disposal.

On February 28, 2020, all three USTs were cleaned and cut, and disposed as scrap metal by Luzon at J Bass & Sons, Mount Vernon, New York. Petroleum impacted soil were disposed of under the BCP Site cleanup. The former UST locations are depicted on **Figure 3.1** in **Appendix A.** The UST and tank content disposal documents are included as **Appendix B**. Photographic documentation of the UST and resulting excavation are included as **Appendix C**.

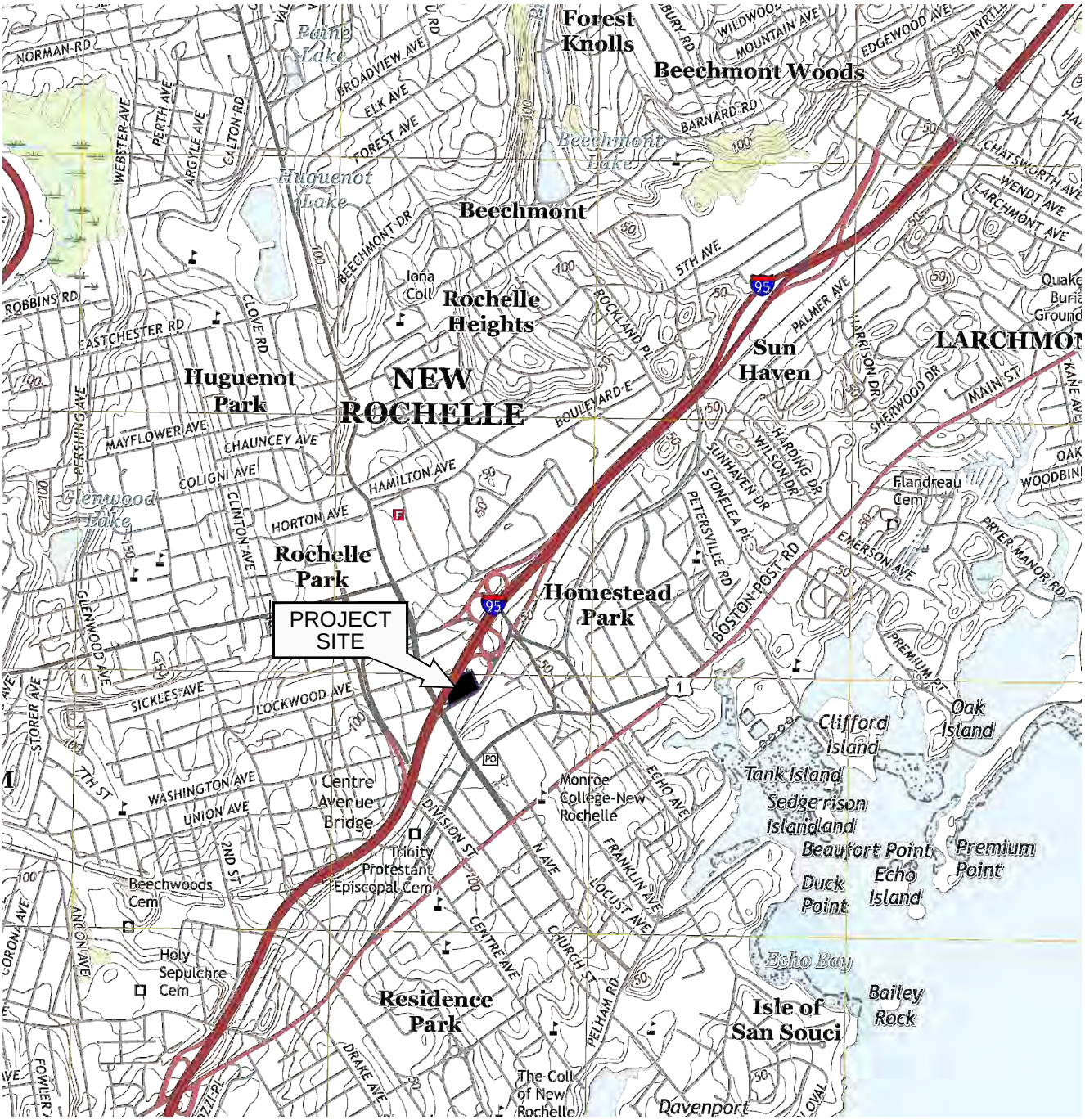
End-point soil samples were collected in the location of the USTs at the final development

excavation depth of approximately 20 feet below grade. Samples were submitted to Alpha Analytical Laboratory of Westborough, MA (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory, for analysis of CP-51 Table 3 listed VOCs and PAHs.

4.0 POST EXCAVATION SAMPLE RESULTS

Three (3) bottom sample were collected (one per 5 linear feet) from beneath the two (2) 3,000-gallon gasoline USTs (RA-UST1-2A through RA-UST1-2C), and two (2) bottom samples from beneath the 500-gallon unknown UST (RA-UST-3A and RA-UST-3B). The samples were submitted to Alpha for analysis of CP-51 listed VOCs (EPA Method 8260C) and SVOCs (EPA Method 8270D). The results of post-excavation samples were below detection limits for all analytes. The results are compared to the NYSDEC unrestricted use soil cleanup objectives (USCO) as presented on **Table 1** in **Appendix D**. The laboratory report is included as **Appendix E.**

APPENDIX A
FIGURES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 18T
10 000-foot ticks: New York Coordinate System of 1983 (east and long island zones)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, June 2013
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2013
Contours.....National Elevation Dataset, 2015
Boundaries.....Multiple sources; see metadata file 1972 - 2016

Wetlands.....FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
WL XL
Grid Zone Designation
18T

QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Nyack
2 White Plains
3 Glenville
4 Yonkers
5 Mamaroneck
6 Central Park
7 Flushing
8 Sea Cliff

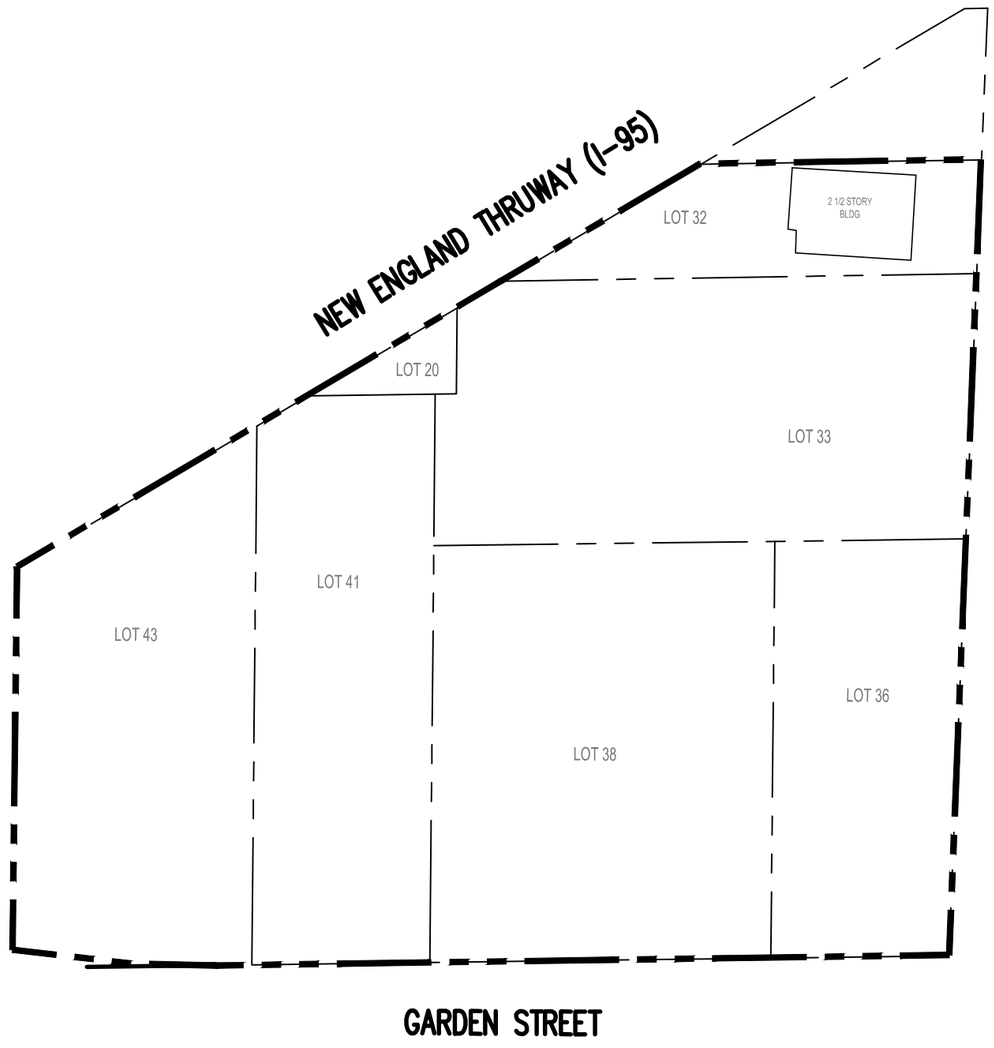
GARDEN STREET RESIDENCES
NEW ROCHELLE, WESTCHESTER COUNTY, NY

SITE LOCATION MAP

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FIG-1.1
DRAWN BY: yy
CHECKED BY: SG
SCALE: N.T.S.
DATE: 06/06/19
JOB NO.: 10491

N:\ACAD\10491\10491 SITE LOCATION MAP.DWG 06/06/19 11:36:58AM, cad, LAYOUT:FIG-1.1



SCALE: 1"=40'

0 40 80

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

LEGEND:
- PROPERTY BOUNDARY
- BCP SITE BOUNDARY

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: yy
chk by: SG
scale: 1" = 40
date: 06/06/19

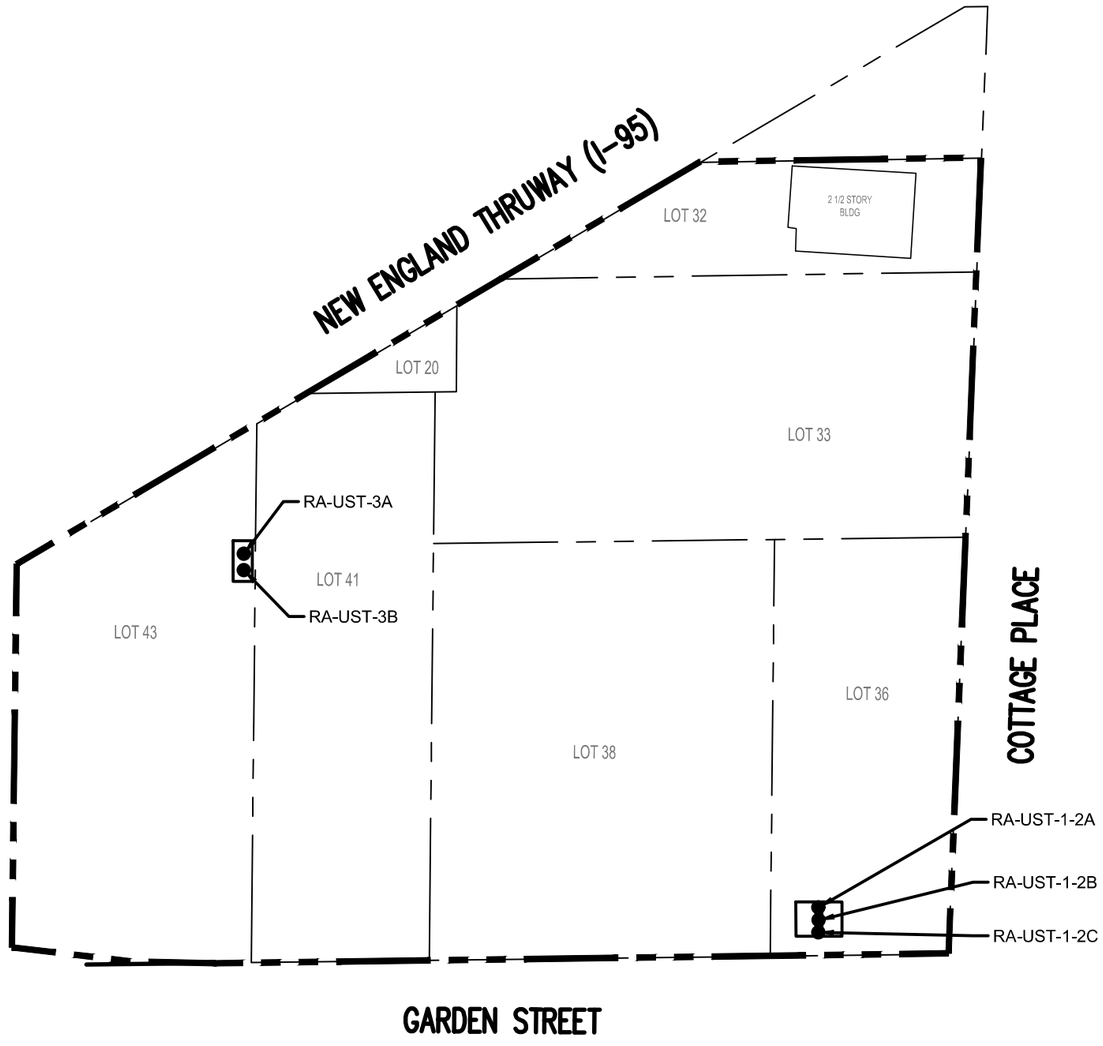
project:
GARDEN STREET RESIDENCES
NEW ROCHELLE, WESTCHESTER COUNTY, NY

drawing title:
SITE PLAN

job no: 10491
drawing no:
FIG-2.1

N:\ACAD\10491\RIR\10491 SITE PLAN.DWG 06/12/19 01:16:42PM, fl, LAYOUT:FIG-2.1

N:\ACAD\10491\RIR\10491 SITE PLAN.dwg, FIG-2.1, 6/12/2019 1:16:43 PM, 1:1



SCALE: 1"=40'

0 40 80

LEGEND:

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- RA-UST LOCATION

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: yy
chk by: SG
scale: 1" = 40
date: 06/02/2020

project: GARDEN STREET RESIDENCES
NEW ROCHELLE, WESTCHESTER COUNTY, NY

drawing title: UST LOCATION MAP

job no: 10491
drawing no: FIG-3.1

N:\ACAD\10491\RAWP\10491 3.1 UST LOCATION MAP.DWG 06/02/20 11:23:17AM, dgs, LAYOUT:FIG-3.1

APPENDIX B
UST CLOSURE DOCUMENTS

LUZON Environmental Services

P.O. Box 1070, Woodridge NY 12789
845-434-7805 Fax 845-434-0307

SESI Consulting Engineers
12A Maple Ave
Pine Brook, NJ 07058

Re: 30 Cottage Place – New Rochelle, NY 10801

Certificate of Tank Removal & Disposal

Tank Removed: Three (3)-3,000-Gallon Storage Tank

Location: 30 Cottage Place – New Rochelle, NY 10801

Date of Removal: 2/28/2020

This hereby certifies that the above- referenced tank has been "Permanently Closed by Removal and Disposal" in accordance with New York State Building Code.

Tank closure procedure was performed as follow:

- Tank was cut open, cleaned and vapor freed, as required.
- Any and all waste was removed and transported for recycling/disposal to our permitted NYSDEC permitted Part 360 Facility.
- Tank was excavated by others and removed from site and disposed in an approved manner by Luzon Environmental Services.

I certify that the above is true and correct.

Respectfully submitted,

Robert B. Halprin
President

Taking Care Of The Environment Since 1975!

LUZON ENVIRONMENTAL SERVICES

PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD
WOODRIDGE, NY 12789
OFFICE: 845-434-7805
FAX: 845-434-0307
EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM
E.P.A. I.D.: # YD982729238

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name _____ Shipping/Billing Name _____

Address _____ Address _____

Phone No. _____ Phone No. _____

Lab Number	Description of Waste	Quantity	Units	Containers No.	Containers Type

Codes
G - Gallons
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Transporter Name _____ Driver Name (Print) _____

Address _____ Vehicle No. / License No. _____

Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date _____

DESTINATION

This is to certify that _____ of the above cited waste material was received at
(Total amount or portion in cubic yards, gallons, or truck loads)

Site Name _____ Phone No. _____

Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

White - Destination Canary - Transporter Pink - Return to Generator Gold - Leave with Generator

1 of 2

Luzon Environmental Services

1246 Glen Wild Rd., Woodridge, NY 12789 845-434-7805

Job Name:	Desi	Date	2-21-20
Address	30 Cottage Place	Contact	Steven
	New Rochelle	Phone No.	973-808-9050
County			

Job Type or Description	Job Classification	HRS	Employee	Start	Arrive	Leave	End
			ROB	6:15	8:00	9:00	
PO							

Disposal		Material	Quantity	Unit	Crew Trucks	Trucks	Trailers
Liquid		55 - gallon drum		Each	H18	207	V6012
Tank		85 - gallon drum		Each	H71	219	V6013
Filled Drum		Drum Liners		Each	135	223	
Empty Drum		Caution Tape		Roll	136	224	
		5" Absorbent Boom		Bale	144	225	TG-8
Contamination		Grade 200 Pad		Bale	145	226	TG-9
Yes	No	Hard Boom		Feet	147	227	TG-201
		Absorbent Sweep		Bale	149	228	
How Much?		Poly Plastic		Roll	150		DV481
Tons	Yards	Speedy Dry 40-lbs		Bag			
		Heavy Duty Bags		Each			
NYS DEC		Fencing		Feet			
Spill #		Bio-Solve -1 or 5 gallon					
DEC Rep:		PID Meter					
Phone:							
Inspectors							Location
Town:					Container	OSC1-Tan	
Village:					Roll off	91B-OR	
DEP:					Roll off	94B-OR	
					Roll off	201C-GN	
Quote #:					Roll off	202C-GN	
			Operator				Location
		Rental Equipment; if any			Backhoe	580K	
C.O.D.							
Sub Amt	$				Skid Steer	JCB 205	
	$				Skid Steer	185B	
Tax %	$				Robot	190	
Amt Due	$						
		Brand:			Excavator	E70	
Job Complete?					Excavator	K80	
Yes	No	Model:			Excavator	PC 138	
X					Excavator	PC 220	
		Serial No.			Excavator	JCB 260	
					Mini	8032	

Comments: W/O 225 in LAT OF GAS WATER

Employee Signature:

Customer Signature:

Office Original-White

Customer Copy-Canary

LUZON ENVIRONMENTAL SERVICES

PO Box 1070 - Woodridge, NY 12789

1246 GLEN WILD ROAD
WOODRIDGE, NY 12789
OFFICE: 845-434-7805
FAX: 845-434-0307
EMERGENCY No.: 800-828-8249

WWW.LUZONENV.COM
E.P.A. I.D.: # YD982729238

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name SISI CONSULTING INC.
Address 30 COTTAGE PLACE
NEW ROCHELLE NY
Phone No. [ ][ ][ ] – [ ][ ][ ][ ][ ][ ][ ]

Shipping/Billing Name
Address
Phone No. [ ][ ][ ] – [ ][ ][ ][ ][ ][ ][ ]

Lab Number	Description of Waste	Quantity	Units	Containers No.	Containers Type
	TANKS	03	T	01	T

Codes
G - Gallons
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261, or any applicable state law.

X Steven Gustins
Generator Authorized Agent Name

X M Dusting
Signature

0 2 2 8 2 0
Shipment Date

TRANSPORTER

Transporter Name LUZON ENVIRONMENTAL
Address 1246 GLENWILD RD
WOODRIDGE NY 12789

Driver Name (Print) KOB
Vehicle No. / License No. 147-T69
Vehicle Certification 3A-005

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature
0 2 2 8 2 0
Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature
Delivery Date

DESTINATION

This is to certify that _____ of the above cited waste material was received at
(Total amount or portion in cubic yards, gallons, or truck loads)

Site Name J BASS + SON
Phone No. [ ][ ][ ] – [ ][ ][ ][ ][ ][ ][ ]
Address 9 CARLTON AVE, MT VERNON NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

White - Destination
Canary - Transporter
Pink - Return to Generator
Gold - Leave with Generator

Ref No: G613413347

Westchester gov.com

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
OFFICE OF ENVIRONMENTAL HEALTH RISK CONTROL

Page 1 of 1

TANK CLOSURE INSPECTION REPORT

Site: COTTAGE GARDEN AUTO REPAIR		NYSDEC Spill No.
Address: 30 GARDEN STREET		PBS No. 3-802310
Town: NEW ROCHELLE	Municipality	Date of Inspection: 2/10/2020
Contractor: SESI CONSULTING ENGINEERS DPC		Time of Inspection: 2:15

TANK INFORMATION

Tank ID	Capacity	Type	Product Stored	Condition
1	3000	STEEL	GASOLINE	N/A
2	3000	STEEL	GASOLINE	N/A

EXCAVATION INFORMATION

Are petroleum odors present?	☐ Y ☒ N	Is contaminated soil stockpiled on site?	☐ Y ☐ N ☒ N/A
Is groundwater present?	☐ Y ☒ N	Is stockpile properly staged?	☒ Y ☐ N ☐ N/A
Is a sheen visible?	☐ Y ☒ N	Was piping removed?	☒ Y ☐ N ☐ Closed in place
Is free product present?	☐ Y ☒ N	Was fill port removed?	☒ Y ☐ N ☐ Capped
Is soil staining visible?	☒ Y ☐ N	Was vent removed?	☒ Y ☐ N
Was contaminated soil excavated?	☒ Y ☐ N	Excavation dimensions:	

Remarks: REMOVE TANKS AS PER DEC CONSENT ORDER
TANKS WERE CLOSED IN PLACE / FILLED W/ CONCRETE - ARE NO BEING REMOVED.

FURTHER ACTION REQUIRED

Tank Closure Report: Submit to WCDOH. The report must include a description of the work performed, site plan, laboratory results, waste disposal manifests, PBS certificate tank number. Failure to comply is a violation of Section 873.2519 of the Westchester County Sanitary Code.

Contaminated Material: All contaminated material must be removed and properly disposed. Contaminated soil must be removed within 60 days after stockpiling began. Failure to comply is a violation of NYSDEC 6NYCRR Part 360-1.7(b)(4).

Soil Sampling: Sampling must comply with NYSDEC STARS Memo #1. Fuel oil tanks: EPA 8021 and 8270 (base/neutrals) or equivalent. Gasoline tanks: EPA 8021 or equivalent. Required sampling:

SAMPLE AS PER DEC REQUIREMENTS.

Groundwater Sampling: Fuel oil tanks: EPA 624 and EPA 625 . Gasoline tanks: EPA 624. Required sampling:

Other: PLEASE COPY WCDOH ON CLOSURE REPORT

I acknowledge receipt of this inspection report.	Inspector	Telephone No. 914
Representative's Signature X	SEBASTIAN KIMONTE	(914) 813- 2193

25 MOORE AVE MOUNT KISCO 10549

APPENDIX C
UST PHOTOGRAPHIC LOG

Photo 1: View of UST-1 and UST-2 in Place

Photo 2: View of UST-1 and UST-2 Removed. Top Open Exposing Concrete

Photo 3: View of UST in Excavation and Stockpiled Soil.

Photo 4: View of UST-3 in Place (Minor Water Spillage).

Photo 5: View of UST-3 Exposed

Photo 6: View of UST-3 Vacuum Truck Pumping Water Content

Photo 7: View of UST-3 Removed

Photo 8: View of UST-3 Excavation

APPENDIX D
END-POINT ANALYTICAL RESULTS SUMMARY TABLE

Table 1
Summary of End-Point Sampling Data
Underground Storage Tank Closures
Cottage - Garden Auto Repair BCP Site C360180
30 Garden Street and 16 Cottage Place
New Rochelle, New York

		SAMPLE ID:	RA-UST-1-2A				RA-UST-1-2B				RA-UST-1-2C				RA-UST-3A				RA-UST-3B			
		LAB ID:	L2010776-03				L2010776-04				L2010776-05				L2010776-06				L2010776-07			
		COLLECTION DATE:	3/10/2020				3/10/2020				3/10/2020				3/10/2020				3/10/2020			
		SAMPLE DEPTH:																				
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL				SOIL			
		NY-UNRES																				
ANALYTE	**CAS**	**(mg/kg)**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
VOLATILE ORGANICS BY EPA 5035																						
Benzene	71-43-2	0.06	ND		0.0005	0.00017	ND		0.00049	0.00016	ND		0.00048	0.00016	ND		0.00044	0.00014	ND		0.00051	0.00017
Toluene	108-88-3	0.7	ND		0.001	0.00055	ND		0.00098	0.00053	ND		0.00097	0.00053	ND		0.00088	0.00048	ND		0.001	0.00055
Ethylbenzene	100-41-4	1	ND		0.001	0.00014	ND		0.00098	0.00014	ND		0.00097	0.00014	ND		0.00088	0.00012	ND		0.001	0.00014
p/m-Xylene	179601-23-1		ND		0.002	0.00056	ND		0.002	0.00055	ND		0.0019	0.00054	ND		0.0018	0.00049	ND		0.002	0.00057
o-Xylene	95-47-6		ND		0.001	0.00029	ND		0.00098	0.00028	ND		0.00097	0.00028	ND		0.00088	0.00026	ND		0.001	0.0003
Xylenes, Total	1330-20-7	0.26	ND		0.001	0.00029	ND		0.00098	0.00028	ND		0.00097	0.00028	ND		0.00088	0.00026	ND		0.001	0.0003
n-Butylbenzene	104-51-8	12	ND		0.001	0.00017	ND		0.00098	0.00016	ND		0.00097	0.00016	ND		0.00088	0.00015	ND		0.001	0.00017
sec-Butylbenzene	135-98-8	11	ND		0.001	0.00015	ND		0.00098	0.00014	ND		0.00097	0.00014	ND		0.00088	0.00013	ND		0.001	0.00015
tert-Butylbenzene	98-06-6	5.9	ND		0.002	0.00012	ND		0.002	0.00012	ND		0.0019	0.00011	ND		0.0018	0.0001	ND		0.002	0.00012
Isopropylbenzene	98-82-8		ND		0.001	0.00011	ND		0.00098	0.00011	ND		0.00097	0.0001	ND		0.00088	0.0001	ND		0.001	0.00011
p-Isopropyltoluene	99-87-6		ND		0.001	0.00011	ND		0.00098	0.00011	ND		0.00097	0.0001	ND		0.00088	0.0001	ND		0.001	0.00011
Naphthalene	91-20-3	12	ND		0.004	0.00065	ND		0.0039	0.00064	ND		0.0039	0.00063	ND		0.0035	0.00057	ND		0.0041	0.00066
n-Propylbenzene	103-65-1	3.9	ND		0.001	0.00017	ND		0.00098	0.00017	ND		0.00097	0.00016	ND		0.00088	0.00015	ND		0.001	0.00017
1,3,5-Trimethylbenzene	108-67-8	8.4	ND		0.002	0.00019	ND		0.002	0.00019	ND		0.0019	0.00019	ND		0.0018	0.00017	ND		0.002	0.0002
1,2,4-Trimethylbenzene	95-63-6	3.6	ND		0.002	0.00034	ND		0.002	0.00033	ND		0.0019	0.00032	ND		0.0018	0.00029	ND		0.002	0.00034
SEMIVOLATILE ORGANICS BY GC/MS																						
Acenaphthene	83-32-9	20	ND		0.16	0.02	ND		0.14	0.018	ND		0.15	0.02	ND		0.15	0.019	ND		0.16	0.02
Fluoranthene	206-44-0	100	ND		0.12	0.022	ND		0.1	0.02	ND		0.12	0.022	ND		0.11	0.022	ND		0.12	0.023
Naphthalene	91-20-3	12	ND		0.19	0.024	ND		0.18	0.021	ND		0.19	0.024	ND		0.19	0.023	ND		0.2	0.024
Benzo(a)anthracene	56-55-3	1	ND		0.12	0.022	ND		0.1	0.02	ND		0.12	0.022	ND		0.11	0.021	ND		0.12	0.022
Benzo(a)pyrene	50-32-8	1	ND		0.16	0.047	ND		0.14	0.043	ND		0.15	0.047	ND		0.15	0.046	ND		0.16	0.048
Benzo(b)fluoranthene	205-99-2	1	ND		0.12	0.033	ND		0.1	0.03	ND		0.12	0.033	ND		0.11	0.032	ND		0.12	0.033
Benzo(k)fluoranthene	207-08-9	0.8	ND		0.12	0.031	ND		0.1	0.028	ND		0.12	0.031	ND		0.11	0.03	ND		0.12	0.032
Chrysene	218-01-9	1	ND		0.12	0.02	ND		0.1	0.018	ND		0.12	0.02	ND		0.11	0.019	ND		0.12	0.021
Acenaphthylene	208-96-8	100	ND		0.16	0.03	ND		0.14	0.027	ND		0.15	0.03	ND		0.15	0.029	ND		0.16	0.03
Anthracene	120-12-7	100	ND		0.12	0.038	ND		0.1	0.034	ND		0.12	0.038	ND		0.11	0.036	ND		0.12	0.039
Benzo(ghi)perylene	191-24-2	100	ND		0.16	0.023	ND		0.14	0.021	ND		0.15	0.023	ND		0.15	0.022	ND		0.16	0.023
Fluorene	86-73-7	30	ND		0.19	0.019	ND		0.18	0.017	ND		0.19	0.019	ND		0.19	0.018	ND		0.2	0.019
Phenanthrene	85-01-8	100	ND		0.12	0.024	ND		0.1	0.021	ND		0.12	0.024	ND		0.11	0.023	ND		0.12	0.024
Dibenzo(a,h)anthracene	53-70-3	0.33	ND		0.12	0.022	ND		0.1	0.02	ND		0.12	0.022	ND		0.11	0.022	ND		0.12	0.023
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	ND		0.16	0.027	ND		0.14	0.024	ND		0.15	0.027	ND		0.15	0.026	ND		0.16	0.028
Pyrene	129-00-0	100	ND		0.12	0.019	ND		0.1	0.017	ND		0.12	0.019	ND		0.11	0.019	ND		0.12	0.02

* Comparison is not performed on parameters with non-numeric criteria.
ND = Not Detected
Q - Qualifier
MDL = Method Detection Limit
NY-UNRES: NY - New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

APPENDIX E
LABORATORY ANALYTICAL REPORT
(ELECTRONIC)

ANALYTICAL REPORT

Lab Number:	L2010776
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Steven Gustems
Phone:	(973) 808-9050
Project Name:	COTTAGE GARDEN AUTO BCP
Project Number:	10491
Report Date:	03/11/20

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: COTTAGE GARDEN AUTO BCP
Project Number: 10491

Lab Number: L2010776
Report Date: 03/11/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2010776-01	RA-A5	SOIL	NEW ROCHELLE, NY	03/10/20 13:00	03/10/20
L2010776-02	RA-6	SOIL	NEW ROCHELLE, NY	03/10/20 13:15	03/10/20
L2010776-03	RA-UST-1-2A	SOIL	NEW ROCHELLE, NY	03/10/20 13:30	03/10/20
L2010776-04	RA-UST-1-2B	SOIL	NEW ROCHELLE, NY	03/10/20 13:45	03/10/20
L2010776-05	RA-UST-1-2C	SOIL	NEW ROCHELLE, NY	03/10/20 14:00	03/10/20
L2010776-06	RA-UST-3A	SOIL	NEW ROCHELLE, NY	03/10/20 14:15	03/10/20
L2010776-07	RA-UST-3B	SOIL	NEW ROCHELLE, NY	03/10/20 14:30	03/10/20

Project Name:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

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:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

Case Narrative (continued)

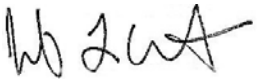
Report Submission

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

Total Metals

L2010776-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:  Jennifer L Clements

Title: Technical Director/Representative Date: 03/11/20

ORGANICS

VOLATILES

Project Name: COTTAGE GARDEN AUTO BCP
Lab Number: L2010776
Project Number: 10491
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-03
Client ID: RA-UST-1-2A
Sample Location: NEW ROCHELLE, NY
Date Collected: 03/10/20 13:30
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/20 05:43
Analyst: MV
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-04
Client ID: RA-UST-1-2B
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 13:45
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/20 06:08
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1

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

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-05
Client ID: RA-UST-1-2C
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:00
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/20 06:35
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
n-Propylbenzene	ND		ug/kg	0.97	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-06
Client ID: RA-UST-3A
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:15
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/20 06:59
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
n-Propylbenzene	ND		ug/kg	0.88	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-07
Client ID: RA-UST-3B
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:30
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/11/20 07:24
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/20 04:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-07 Batch: WG1349610-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	84		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-07 Batch: WG1349610-3 WG1349610-4								
Benzene	112		112		70-130	0		30
Toluene	108		106		70-130	2		30
Ethylbenzene	104		103		70-130	1		30
p/m-Xylene	105		105		70-130	0		30
o-Xylene	104		109		70-130	5		30
n-Butylbenzene	103		88		70-130	16		30
sec-Butylbenzene	107		105		70-130	2		30
tert-Butylbenzene	105		105		70-130	0		30
Isopropylbenzene	106		105		70-130	1		30
p-Isopropyltoluene	106		104		70-130	2		30
Naphthalene	105		97		70-130	8		30
n-Propylbenzene	105		104		70-130	1		30
1,3,5-Trimethylbenzene	104		103		70-130	1		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-01
Client ID: RA-A5
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 13:00
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 09:11
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-01 Date Collected: 03/10/20 13:00

Client ID: RA-A5 Date Received: 03/10/20

Sample Location: NEW ROCHELLE, 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	83		18-120

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-02
Client ID: RA-6
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 13:15
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 08:48
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-02 Date Collected: 03/10/20 13:15

Client ID: RA-6 Date Received: 03/10/20

Sample Location: NEW ROCHELLE, 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	88		18-120

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-03
Client ID: RA-UST-1-2A
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 13:30
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 08:28
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Naphthalene	ND		ug/kg	190	24.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	87		30-120
4-Terphenyl-d14	84		18-120

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-04
Client ID: RA-UST-1-2B
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 13:45
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 08:50
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Naphthalene	ND		ug/kg	180	21.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	79		30-120
4-Terphenyl-d14	81		18-120

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-05
Client ID: RA-UST-1-2C
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:00
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 09:12
Analyst: IM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Naphthalene	ND		ug/kg	190	24.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	71		18-120

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-06
Client ID: RA-UST-3A
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:15
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 09:35
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	22.	1
Naphthalene	ND		ug/kg	190	23.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	89		30-120
4-Terphenyl-d14	93		18-120

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-07
Client ID: RA-UST-3B
Sample Location: NEW ROCHELLE, NY

Date Collected: 03/10/20 14:30
Date Received: 03/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/11/20 09:57
Analyst: IM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 03/11/20 02:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	23.	1
Naphthalene	ND		ug/kg	200	24.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	78		18-120

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/10/20 12:16
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/10/20 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1349121-1					
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	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/10/20 12:16
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/10/20 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1349121-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/10/20 12:16
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/10/20 07:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1349121-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1349121-2 WG1349121-3								
Acenaphthene	91		82		31-137	10		50
1,2,4-Trichlorobenzene	104		85		38-107	20		50
Hexachlorobenzene	100		88		40-140	13		50
Bis(2-chloroethyl)ether	94		82		40-140	14		50
2-Chloronaphthalene	105		92		40-140	13		50
1,2-Dichlorobenzene	94		80		40-140	16		50
1,3-Dichlorobenzene	91		79		40-140	14		50
1,4-Dichlorobenzene	93		78		28-104	18		50
3,3'-Dichlorobenzidine	75		67		40-140	11		50
2,4-Dinitrotoluene	99		86		40-132	14		50
2,6-Dinitrotoluene	108		95		40-140	13		50
Fluoranthene	97		87		40-140	11		50
4-Chlorophenyl phenyl ether	99		88		40-140	12		50
4-Bromophenyl phenyl ether	97		86		40-140	12		50
Bis(2-chloroisopropyl)ether	89		77		40-140	14		50
Bis(2-chloroethoxy)methane	105		88		40-117	18		50
Hexachlorobutadiene	103		90		40-140	13		50
Hexachlorocyclopentadiene	92		79		40-140	15		50
Hexachloroethane	99		84		40-140	16		50
Isophorone	102		86		40-140	17		50
Naphthalene	93		81		40-140	14		50
Nitrobenzene	99		82		40-140	19		50
NDPA/DPA	96		86		36-157	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1349121-2 WG1349121-3								
n-Nitrosodi-n-propylamine	105		88		32-121	18		50
Bis(2-ethylhexyl)phthalate	119		106		40-140	12		50
Butyl benzyl phthalate	104		94		40-140	10		50
Di-n-butylphthalate	108		96		40-140	12		50
Di-n-octylphthalate	117		106		40-140	10		50
Diethyl phthalate	105		93		40-140	12		50
Dimethyl phthalate	110		96		40-140	14		50
Benzo(a)anthracene	97		86		40-140	12		50
Benzo(a)pyrene	98		87		40-140	12		50
Benzo(b)fluoranthene	111		92		40-140	19		50
Benzo(k)fluoranthene	88		85		40-140	3		50
Chrysene	98		86		40-140	13		50
Acenaphthylene	104		89		40-140	16		50
Anthracene	95		85		40-140	11		50
Benzo(ghi)perylene	94		84		40-140	11		50
Fluorene	97		85		40-140	13		50
Phenanthrene	93		84		40-140	10		50
Dibenzo(a,h)anthracene	90		81		40-140	11		50
Indeno(1,2,3-cd)pyrene	96		87		40-140	10		50
Pyrene	94		85		35-142	10		50
Biphenyl	97		84		37-127	14		50
4-Chloroaniline	103		84		40-140	20		50
2-Nitroaniline	107		91		47-134	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1349121-2 WG1349121-3								
3-Nitroaniline	82		74		26-129	10		50
4-Nitroaniline	92		80		41-125	14		50
Dibenzofuran	96		86		40-140	11		50
2-Methylnaphthalene	96		83		40-140	15		50
1,2,4,5-Tetrachlorobenzene	102		88		40-117	15		50
Acetophenone	99		85		14-144	15		50
Benzyl Alcohol	104		90		40-140	14		50
Carbazole	93		82		54-128	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		76		25-120
Phenol-d6	92		79		10-120
Nitrobenzene-d5	91		78		23-120
2-Fluorobiphenyl	90		77		30-120
2,4,6-Tribromophenol	89		79		10-136
4-Terphenyl-d14	87		81		18-120

METALS

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-01 Date Collected: 03/10/20 13:00

Client ID: RA-A5 Date Received: 03/10/20

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5940		mg/kg	8.32	2.25	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.16	0.316	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.832	0.173	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Barium, Total	62.1		mg/kg	0.832	0.145	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Beryllium, Total	0.150	J	mg/kg	0.416	0.027	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Cadmium, Total	0.574	J	mg/kg	0.832	0.082	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Calcium, Total	4540		mg/kg	8.32	2.91	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Chromium, Total	14.4		mg/kg	0.832	0.080	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Cobalt, Total	6.37		mg/kg	1.66	0.138	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Copper, Total	13.0		mg/kg	0.832	0.215	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Iron, Total	10400		mg/kg	4.16	0.751	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Lead, Total	33.8		mg/kg	4.16	0.223	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Magnesium, Total	3530		mg/kg	8.32	1.28	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Manganese, Total	153		mg/kg	0.832	0.132	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/11/20 09:10	03/11/20 12:22	EPA 7471B	1,7471B	GD
Nickel, Total	11.4		mg/kg	2.08	0.201	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Potassium, Total	2640		mg/kg	208	12.0	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.66	0.215	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.832	0.235	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Sodium, Total	152	J	mg/kg	166	2.62	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.66	0.262	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Vanadium, Total	17.5		mg/kg	0.832	0.169	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC
Zinc, Total	32.0		mg/kg	4.16	0.244	2	03/11/20 07:50	03/11/20 12:12	EPA 3050B	1,6010D	LC

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-02 Date Collected: 03/10/20 13:15

Client ID: RA-6 Date Received: 03/10/20

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4830		mg/kg	8.54	2.30	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.27	0.324	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.854	0.178	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Barium, Total	50.6		mg/kg	0.854	0.148	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Beryllium, Total	0.171	J	mg/kg	0.427	0.028	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Cadmium, Total	0.572	J	mg/kg	0.854	0.084	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Calcium, Total	3540		mg/kg	8.54	2.99	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Chromium, Total	13.5		mg/kg	0.854	0.082	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Cobalt, Total	6.39		mg/kg	1.71	0.142	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Copper, Total	11.1		mg/kg	0.854	0.220	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Iron, Total	11100		mg/kg	4.27	0.771	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Lead, Total	2.60	J	mg/kg	4.27	0.229	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Magnesium, Total	3430		mg/kg	8.54	1.32	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Manganese, Total	117		mg/kg	0.854	0.136	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/11/20 09:10	03/11/20 12:25	EPA 7471B	1,7471B	GD
Nickel, Total	11.7		mg/kg	2.14	0.207	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Potassium, Total	2510		mg/kg	214	12.3	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.71	0.220	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.854	0.242	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Sodium, Total	117	J	mg/kg	171	2.69	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.71	0.269	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Vanadium, Total	17.1		mg/kg	0.854	0.173	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC
Zinc, Total	20.9		mg/kg	4.27	0.250	2	03/11/20 07:50	03/11/20 12:17	EPA 3050B	1,6010D	LC

Project Name: COTTAGE GARDEN AUTO BCP **Lab Number:** L2010776

Project Number: 10491 **Report Date:** 03/11/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1349616-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Manganese, Total	0.068	J	mg/kg	0.400	0.064	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Sodium, Total	3.71	J	mg/kg	80.0	1.26	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/11/20 07:50	03/11/20 11:00	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/11/20 07:50	03/11/20 11:00	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): 01-02 Batch: WG1349622-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/11/20 09:10	03/11/20 11:36	1,7471B	GD

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP

Project Number: 10491

Lab Number: L2010776

Report Date: 03/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1349616-2 SRM Lot Number: D105-540								
Aluminum, Total	61		-		51-149	-		
Antimony, Total	140		-		19-249	-		
Arsenic, Total	90		-		70-130	-		
Barium, Total	84		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	87		-		75-125	-		
Calcium, Total	84		-		73-127	-		
Chromium, Total	84		-		70-130	-		
Cobalt, Total	89		-		75-125	-		
Copper, Total	83		-		75-125	-		
Iron, Total	78		-		38-162	-		
Lead, Total	84		-		71-128	-		
Magnesium, Total	75		-		63-137	-		
Manganese, Total	81		-		76-124	-		
Nickel, Total	88		-		70-131	-		
Potassium, Total	76		-		60-140	-		
Selenium, Total	87		-		63-137	-		
Silver, Total	84		-		69-131	-		
Sodium, Total	97		-		37-162	-		
Thallium, Total	85		-		68-132	-		
Vanadium, Total	84		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP

Project Number: 10491

Lab Number: L2010776

Report Date: 03/11/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1349616-2 SRM Lot Number: D105-540					
Zinc, Total	87	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1349622-2 SRM Lot Number: D105-540					
Mercury, Total	92	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1349616-3 QC Sample: L2010695-01 Client ID: MS Sample												
Aluminum, Total	8680	175	7740	**0**	Q	-	-		75-125	-		20
Antimony, Total	0.714J	43.7	26.3	**60**	Q	-	-		75-125	-		20
Arsenic, Total	1.79	10.5	10.7	85		-	-		75-125	-		20
Barium, Total	67.4	175	167	**57**	Q	-	-		75-125	-		20
Beryllium, Total	0.537	4.37	3.42	**66**	Q	-	-		75-125	-		20
Cadmium, Total	0.987	4.46	3.69	**61**	Q	-	-		75-125	-		20
Calcium, Total	2080	874	2390	**35**	Q	-	-		75-125	-		20
Chromium, Total	17.4	17.5	24.0	**38**	Q	-	-		75-125	-		20
Cobalt, Total	8.38	43.7	33.1	**56**	Q	-	-		75-125	-		20
Copper, Total	17.4	21.8	32.8	**70**	Q	-	-		75-125	-		20
Iron, Total	18500	87.4	16400	**0**	Q	-	-		75-125	-		20
Lead, Total	21.3	44.6	51.0	**67**	Q	-	-		75-125	-		20
Magnesium, Total	3640	874	3220	**0**	Q	-	-		75-125	-		20
Manganese, Total	293	43.7	255	**0**	Q	-	-		75-125	-		20
Nickel, Total	15.6	43.7	40.6	**57**	Q	-	-		75-125	-		20
Potassium, Total	1110	874	1500	**45**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.5	6.54	**62**	Q	-	-		75-125	-		20
Silver, Total	ND	26.2	19.4	**74**	Q	-	-		75-125	-		20
Sodium, Total	447	874	1060	**70**	Q	-	-		75-125	-		20
Thallium, Total	ND	10.5	7.31	**70**	Q	-	-		75-125	-		20
Vanadium, Total	26.0	43.7	46.8	**48**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491

Lab Number: L2010776
Report Date: 03/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1349616-3 QC Sample: L2010695-01 Client ID: MS Sample										
Zinc, Total	48.8	43.7	70.4	**49**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1349622-3 QC Sample: L2010684-01 Client ID: MS Sample										
Mercury, Total	0.065J	0.177	0.237	**134**	Q	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP

Project Number: 10491

Lab Number: L2010776

Report Date: 03/11/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1349616-4 QC Sample: L2010695-01 Client ID: DUP Sample						
Lead, Total	21.3	41.1	mg/kg	**63**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1349622-4 QC Sample: L2010684-01 Client ID: DUP Sample						
Mercury, Total	0.065J	0.058J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-01
Client ID: RA-A5
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/10/20 13:00
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-02
Client ID: RA-6
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/10/20 13:15
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-03
Client ID: RA-UST-1-2A
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/10/20 13:30
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-04
Client ID: RA-UST-1-2B
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/10/20 13:45
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-05
Client ID: RA-UST-1-2C
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/10/20 14:00
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-06
Client ID: RA-UST-3A
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/10/20 14:15
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491
Lab Number: L2010776
Report Date: 03/11/20

SAMPLE RESULTS

Lab ID: L2010776-07
Client ID: RA-UST-3B
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/10/20 14:30
Date Received: 03/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	03/11/20 05:09	121,2540G	PR

Lab Duplicate Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN AUTO BCP

Project Number: 10491

Lab Number: L2010776

Report Date: 03/11/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1349588-1 QC Sample: L2010775-01 Client ID: DUP Sample						
Solids, Total	92.6	92.4	%	0		20

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491

Lab Number: L2010776
Report Date: 03/11/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2010776-01A	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		TS(7)
L2010776-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2010776-01C	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14)
L2010776-02A	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		TS(7)
L2010776-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2010776-02C	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14)
L2010776-03A	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-03B	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-03C	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-03D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-03E	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-03X	Vial MeOH preserved split	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-03Y	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-03Z	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-04A	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-04B	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-04C	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-04D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491

Lab Number: L2010776
Report Date: 03/11/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2010776-04E	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-04X	Vial MeOH preserved split	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-04Y	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-04Z	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-05A	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-05B	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-05C	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-05D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-05E	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-05X	Vial MeOH preserved split	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-05Y	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-05Z	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-06A	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-06B	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-06C	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-06D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-06E	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-06X	Vial MeOH preserved split	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-06Y	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-06Z	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-07A	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-07B	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-07C	5 gram Encore Sampler	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-07D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-07E	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		NYCP51-PAH(14),TS(7)
L2010776-07X	Vial MeOH preserved split	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2010776-07Y	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)
L2010776-07Z	Vial Water preserved split	A	NA		5.3	Y	Absent	11-MAR-20 03:13	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: COTTAGE GARDEN AUTO BCP
Project Number: 10491

Lab Number: L2010776
Report Date: 03/11/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

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:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

Data Qualifiers

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:	COTTAGE GARDEN AUTO BCP	**Lab Number:**	L2010776
Project Number:	10491	**Report Date:**	03/11/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
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, SM4500NO2-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.

NEW YORK CHAIN OF CUSTODY

ALPHA

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: 03/10/20

ALPHA Job #: L2010776

Project Information

Project Name: Cottage Garden Auto BCP
Project Location: New Rochelle, NY
Project #: 10491
(Use Project name as Project #) ☐
Project Manager: Steve Gustems
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☑ 24hr # of Days:

Client Information

Client: SESI
Address: 12a Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: ssg@sesi.org

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 (TAL circled)

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	CP-51 Table 3	Compound List	SVOC B/N	TAL Metals					Sample Specific Comments	Total Bottles
10776-01	RA-A5	3/10/20	13:00	Soil	SL			✓	✓						
-02	RA-6	↓	13:15	↓	↓			✓	✓						
-03	RA-UST-1-2A	↓	13:30	↓	↓	✓	✓								
-04	RA-UST-1-2B	↓	13:45	↓	↓	↓	↓								
-05	RA-UST-1-2C	↓	14:00	↓	↓	↓	↓								
-06	RA-UST-3A	↓	14:15	↓	↓	↓	↓								
-07	RA-UST-3B	↓	14:30	↓	↓	↓	↓								

	CP-51 Table 3	Compound List	SVOC B/N	TAL Metals
Container Type	A	E	A	A
Preservative				

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/10/20 17:20	RB / R AAL	3/10/20 17:20
RB / R AAL	3/10/20 18:10	[signature] AAL	3/10/20 20:00
[signature] AAL	3/10/20 23:40	[signature]	3/10/20 23:40

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)