GROUNDWATER REMEDIATION WORK PLAN

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

APRIL 2020

CERTIFICATIONS

I, Fuad Dahan, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Groundwater Remediation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)

Fuad Dahan	05/26/2020	
NYS Professional Engineer (# 090531)	Date	Signature

It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 130, New York State Education.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

The NYSDEC has entered into a Brownfield Cleanup Program (BCP) Agreement BCA Index No. C360180-11-18 for the site known as Cottage-Garden Auto Repair Site (BCP Site. # C360180) ("Site") with BCP Volunteers The Mark 95 LLC & The Mark 95 II LLC, on January 16, 2019. SDC Garden Street Member LLC, MJ garden LLC, MJ garden II LLC, MJ garden III LLC, and MJ garden IV LLC were added to the BCA per the executed amendment on 9/9/19. 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. A Site Location map is presented as **Figure 1.1 in Appendix A**.

SESI (SESI) Consulting Engineers has prepared this Groundwater Remedial Work Plan (GWRWP) for the remediation of the Site groundwater on behalf of the Volunteers. This document comprises an Addendum to the Remedial Action Wok Plan (RAWP) approved by New York State Department of Environmental Conservation (NYSDEC) on December 3, 2019. All the proposed work in this document will be conducted under the governing documents including the health and safety plan (HASP), quality assurance project plan (QAPP), and the Community Air Monitoring Plan (CAMP), which were approved with the for the BCP-Site. Specifically, the GWRWP includes the following elements:

- Report on the excavation of contaminated soil and post remedial end-point sampling conducted per the RAWP.
- Propose chemical injections and follow-up groundwater monitoring at for the remediation of dissolved phase VOCs.

2.0 REMEDIAL MEASURES PERFORMED

2.1 Soil Excavation Activities

The contaminated media removed from the Site included all excavated material (fill and soil) which contained metals, PAHs, and pesticides above the USCOs. To remediate the contaminated soil, the installation of sheeting and shoring along the side

walls was performed for structural stability of the excavation pit and to prevent impact to off-site structures.

From February 5, 2020 to March 18, 2020 the contaminated fill and soil were removed from the entire footprint of the Site down to a depth of approximately 14 feet across the Site. One (1) discrete "Hotspot" area (A) was further excavated to a depth of 24 ft-bgs as depicted on the RAWP Remedy Selection Plan, Figure 5.1.

End point soil samples were collected in accordance with Section 5.4 of DER-10. Sidewall samples were collected for every 30 linear feet of sidewalls in the deeper hotspot excavations area A. Base samples were collected at a frequency of 1 per 900 square feet of base area. In total, 60 bottom end-point and six (6) sidewall samples were collected. The approximate end-point sample locations are presented on **Figure 2.1 in Appendix A**. The actual sample locations and elevations will be presented in the Final Engineering Report (FER).

As demonstrated by the RIR, VOCs and PCBs were not COCs at the Site. In addition, pesticides were only detected in one soil sample collected from boring SB-16. As per NYSDEC approval in an email dated February 13, 2020, end-point samples were not analyzed for VOCs or PCBs. Only sample RA-24 was analyzed for pesticides which was collected from the location of SB-16.

Exceedances of the USCOs were detected in samples RA-15 (nickel), RA-21 (lead), RA-23 (nickel and zinc), and RA-32 (zinc), and RA-40 (mercury). Further excavation and resampling from cells RA-15 (RA-15i), RA-21 (RA-21i), RA-23 (RA-23Ri), RA-32 (RA-32i) and RA-40 (RA-40i) resulted in no exceedances of the USCOs. No SVOCs or pesticides were detected above there USCOs. Based upon all the final end-point sample data having resulted in no exceedances of the USCOs, the soil remedy has achieved Track 1 unrestricted clean-up because all soils exceeding the USCO have been excavated for off-site disposal. A summary of the end-point sample laboratory data is presented on **Table 1 in Appendix B**. All soil remediation activities will be documented in the FER.

2.2 Groundwater Sampling

Two (2) rounds of groundwater samples have been collected: one (1) round during the RIR in May 2019, and one (1) round post RIR in March 2020. In addition, a groundwater sample was collected from well MW-1, the only well remaining after support of excavation work, in January 2020. The post RIR groundwater samples were collected to determine the effect of soil remediation performed on the groundwater contamination, and to determine contamination trends in the Site groundwater. All of the wells installed during the RIR were destroyed, and therefore the wells were re-installed on March 14, 2020. RIR groundwater samples collected from deep monitoring well MW-3D did not result in any exceedances of the ambient water quality standards. Therefore, this well was not re-installed. The monitoring well construction logs are presented in **Appendix C.**

Prior to sampling, the wells were gauged for depth to water and depth to bottom using a water/product interface tape. The wells were purged and sampled in accordance with USEPA low flow sampling procedures. The purge water was piped to a "flow cell," where groundwater parameters including pH, redox potential, specific conductance, dissolved oxygen, salinity and turbidity were measured. Groundwater samples were collected once the parameters stabilized for three consecutive readings. Collected groundwater samples were analyzed for TCL/TAL +30 including metals (USEPA Methods 6010/7471), SVOCs (USEPA Method 8270), VOCs (USEPA Method 8260), PCBs, pesticides (USEPA Methods 8081/8082), PFAS (USEPA EPA Modified Method 537), and 1,4 dioxane (USEPA Method 8270 SIM). The purge data for the groundwater monitoring wells is presented in **Attachment D**.

The RIR groundwater sampling round resulted in the detection of chlorinated VOCs (CVOCs) including TCE in monitoring wells MW-3 and MW-4; 1,1,2-trichlorothane in monitoring well MW-4, and methylene chloride in monitoring well MW-5 at concentrations exceeding the NYSDEC TOGS 1.1.1 Ambient Water Quality Standards (AWQS). The post RIR groundwater sampling round resulted in a reduction of TCE in MW-3 from 9.8 ug/L to 4 ug/L below the AWQS. The TCE concentration in monitoring well MW-4 for the RIR and post RIR sampling events were similar (8.8 ug/L vs. 7.8 ug/L) and above the AWQS. TCE concentrations increased in monitoring wells MW-2 (0.31 ug/L vs. 5.3 ug/L) and MW-5 (0.75

ug/L vs. 42 ug/L), which are now above the AWQSs. The groundwater sampling results are depicted on **Figure 2.1 in Appendix A.** The VOC groundwater data is summarized on **Table 2 in Appendix C**.

3.0 CHEMICAL INJECTION WORK PLAN

The Site groundwater contains levels of VOCs that exceed the AWQSs. The concentrations are indicative of low non-source area dissolved VOC contamination which is attenuating over time. In order to enhance and accelerate the remediation of the dissolved VOCs, SESI is proposing the use of the Regenesis PersulfOx® oxidant. PersulfOx® is an in situ chemical Oxidation (ISCO) reagent that destroys organic contamination in the groundwater through chemical oxidation reactions. PersulfOx® is designed with a built-in catalyst which activates the sodium persulfate component and generates free radicals that can destroy the residual contamination at this site, namely PCE, TCE, 1,1,2-TCA, MC, MTBE and benzene.

The extent of the residual impacted area consists of low levels of VOCs in shallow groundwater that exceed AWQS. The remedial approach consists of injecting PersulfOx® into the top 10 feet of the saturated groundwater zone. The soil target treatment zone consists of two distinct areas: one area near the central portion of the Site defined by monitoring wells MW-2 through MW-5 (Area A), with a surface area of approximately 6,400 square ft and a second smaller area near the southeastern corner of the Site defined by monitoring well MW-1 with a surface area of approximately 300 square feet (Area B) (**Figure 3.1 in Appendix A**).

Based on the persulfate stoichiometric demand of the contaminants of concern and typical silty and soil oxidant demand, approximately 11,200 pounds of PersulfOx® will be injected in the target treatment zones. The PersulfOx® will be mixed at concentration of 15%, as recommended by the vendor, which will result in approximately 7,770 gallons of PersulfOx® solution. The solution will be equally distributed in the proposed injection points. The Safety Data Sheet of the product is included in **Appendix E**.

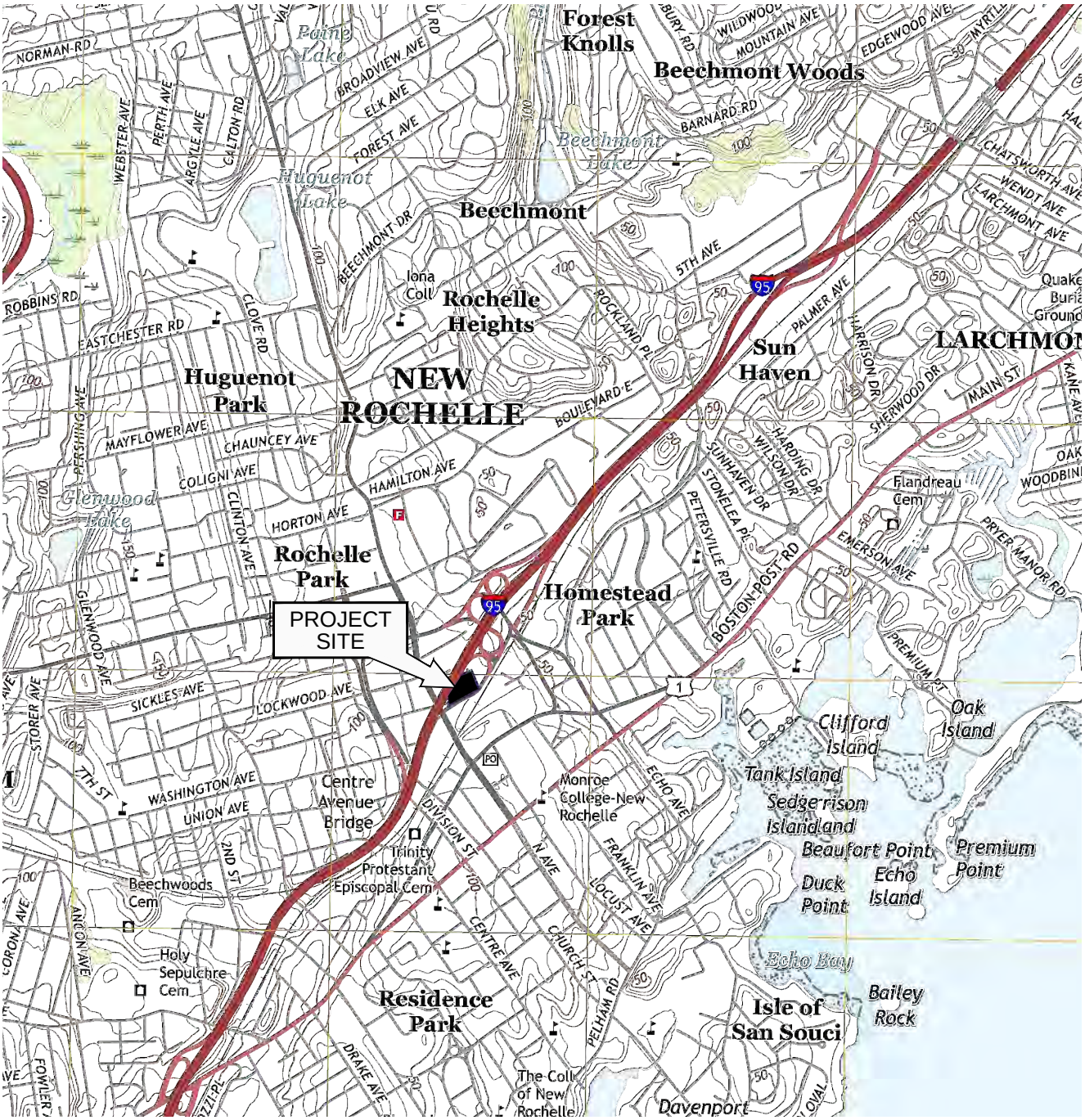
The in-situ treatment will consist of a linear grid of approximately 51 injection points as shown in Figure 3.1 in Area A. The points are distributed within three injection lines, with each line consisting of 17 injection points. The injection points are 7 feet on center from each other within an injection line. The injection lines are approximately 25 feet apart and run almost perpendicular to the groundwater flow direction. Area B has 4 injection points planned located as shown in Figure 3.1 along the property on Cottage Place around MW1. The distance between the injection points in Area B is 7-ft on center.

The proposed scope of work will be implemented over a period of approximately 1 week. The NYSDEC will be notified at least one week prior to injection.

As per the requirements of the EPA's underground injection control (UIC) program, SESI will submit a letter of notification, and an injection well inventory form (EPA form number 7520-16) to the EPA's UIC branch prior to conducting the proposed injection activities. The letter and UIC from submitted to the USEPA are included in **Appendix F**.

Monitoring wells MW-1, MW-2, MW-3S, MW-4, and MW-5 that were decommissioned prior to Site construction activities will be reinstalled. In addition, one monitoring well (MW-6) will be installed downgradient of well MW-4, closer to the western Site border as illustrated on Figure 3.1. Monitoring of the groundwater will be conducted monthly from the Site monitoring wells for a period of 1 year to track the groundwater treatment. Summary reports will be provided to NYSDEC and NYSDOH on a quarterly schedule.

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

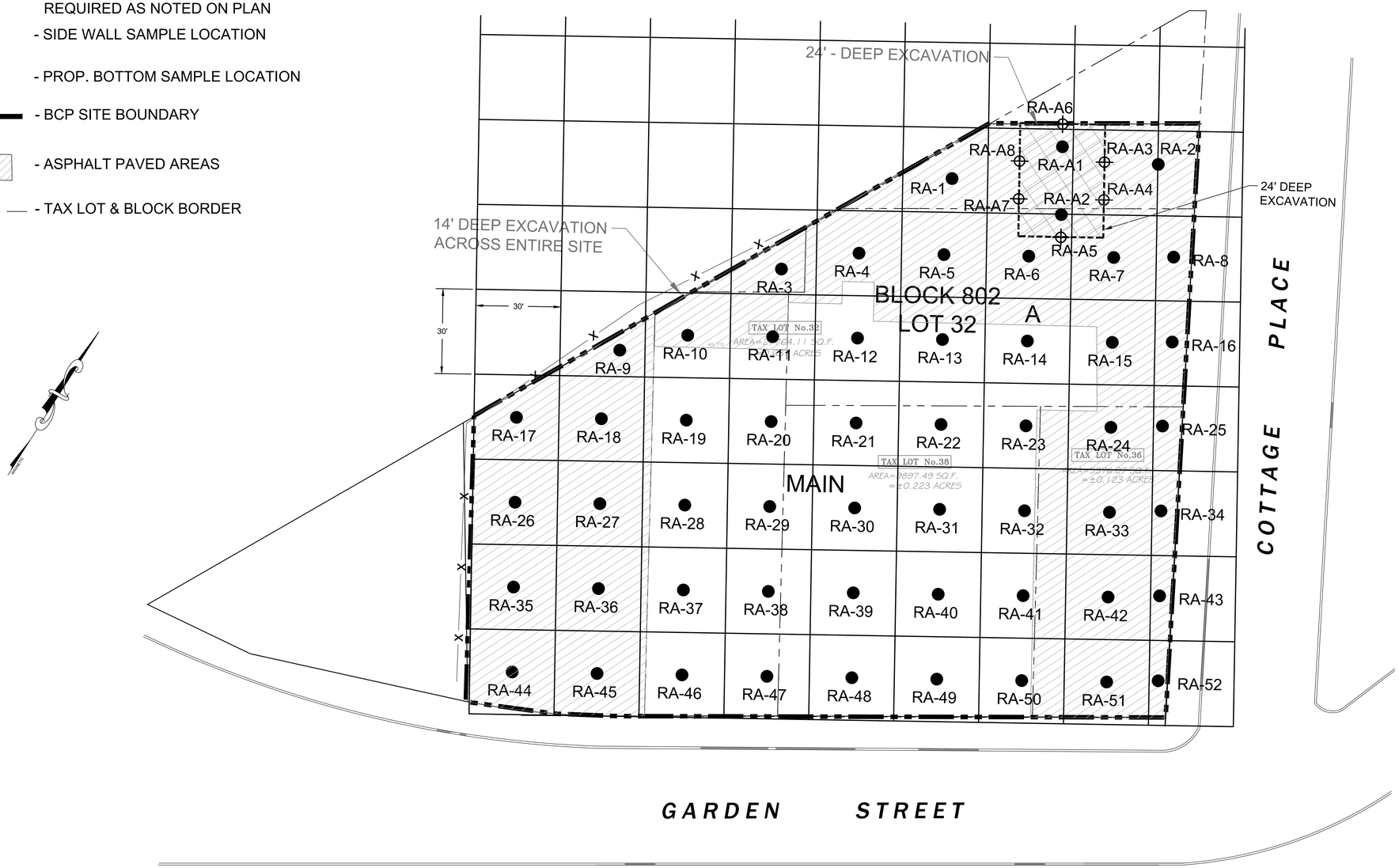
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

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

LEGEND:

- ADDITIONAL EXCAVATION DEPTH REQUIRED AS NOTED ON PLAN
- SIDE WALL SAMPLE LOCATION
- PROP. BOTTOM SAMPLE LOCATION
- BCP SITE BOUNDARY
- ASPHALT PAVED AREAS
- TAX LOT & BLOCK BORDER



POST EXCAVATION CONFIRMATIONS SAMPLES			
AREA ID	AREAS	BOTTOM SAMPLES	SIDEWALL SAMPLES
A	1,200 S.F.	2	6
MAIN	41,950 S.F.	47	N/A

POST EXCAVATION SAMPLING:
1. ONE BOTTOM SAMPLE PER 900 SQUARE FEET.
2. ONE SIDEWALL SAMPLE PER 30 LINEAR FEET OF SIDEWALL. A MINIMUM OF ONE SAMPLE PER SIDEWALL.

Scale 1" = 20'

0 10 20 40 60 80

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

rev	date	description	by

dwg by: yy
chk by: JS
scale: AS NOTED
date: 12/11/19

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

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

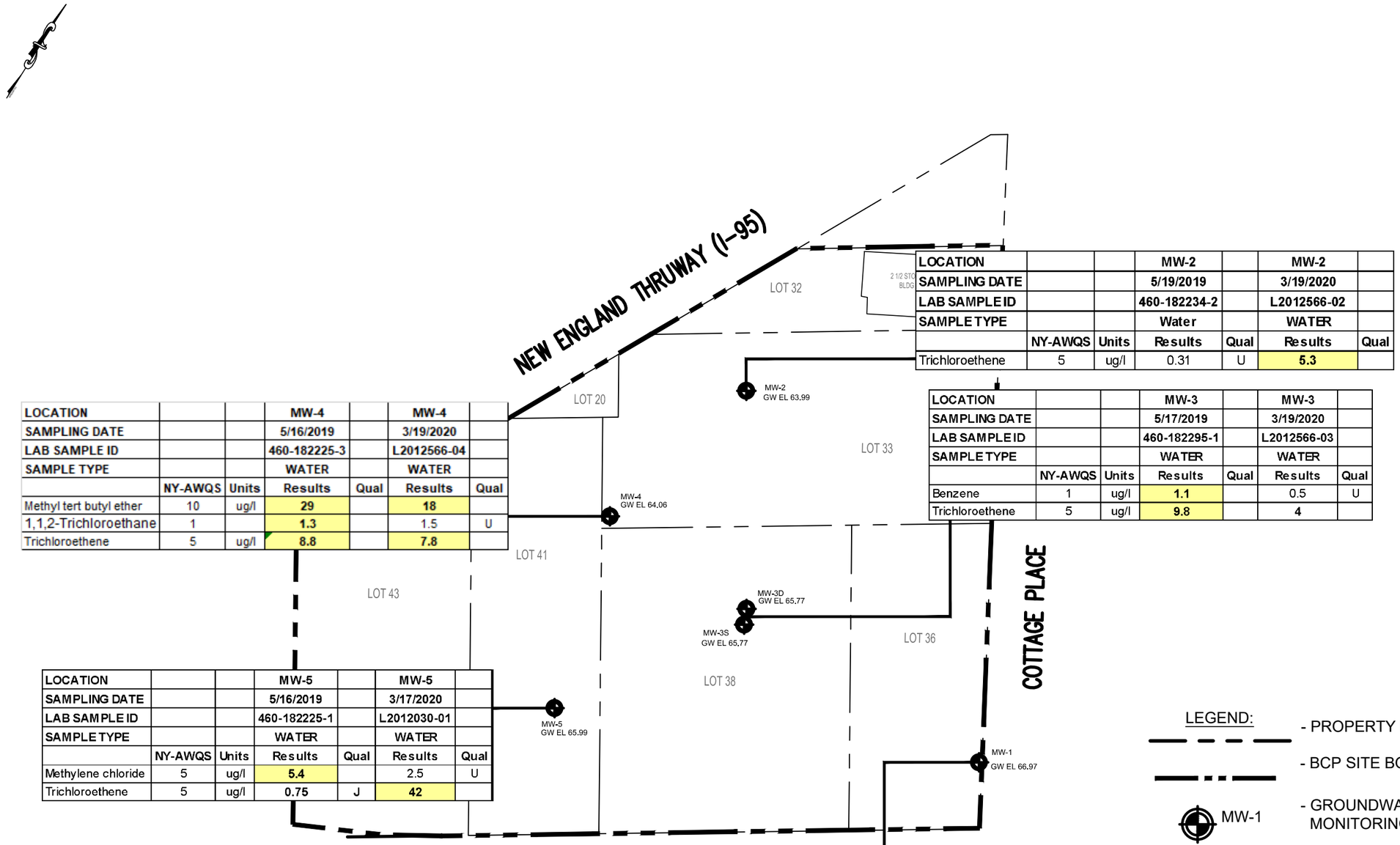
GARDEN STREET RESIDENCES
NEW ROCHELLE, WESTCHESTER COUNTY, NY

drawing title:
SELECTED REMEDY PLAN

job no. 10491
drawing no.
FIG-5.1

1 of 1

N:\CAD\10491\2020-12-24\10491 FIG-5.1 SELECTED REMEDY PLAN.DWG 12/24/20 10:59:36AM osis LAYOUT:FIG-5.1



LOCATION			MW-4		MW-4	
SAMPLING DATE			5/16/2019		3/19/2020	
LAB SAMPLE ID			460-182225-3		L2012566-04	
SAMPLE TYPE			WATER		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual
Methyl tert butyl ether	10	ug/l	29		18	
1,1,2-Trichloroethane	1		1.3		1.5	U
Trichloroethene	5	ug/l	8.8		7.8	

LOCATION			MW-5		MW-5	
SAMPLING DATE			5/16/2019		3/17/2020	
LAB SAMPLE ID			460-182225-1		L2012030-01	
SAMPLE TYPE			WATER		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual
Methylene chloride	5	ug/l	5.4		2.5	U
Trichloroethene	5	ug/l	0.75	J	42	

LOCATION			MW-2		MW-2	
SAMPLING DATE			5/19/2019		3/19/2020	
LAB SAMPLE ID			460-182234-2		L2012566-02	
SAMPLE TYPE			Water		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual
Trichloroethene	5	ug/l	0.31	U	5.3	

LOCATION			MW-3		MW-3	
SAMPLING DATE			5/17/2019		3/19/2020	
LAB SAMPLE ID			460-182295-1		L2012566-03	
SAMPLE TYPE			WATER		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual
Benzene	1	ug/l	1.1		0.5	U
Trichloroethene	5	ug/l	9.8		4	

LOCATION			MW-1		MW-1		MW-1	
SAMPLING DATE			5/19/2019		1/9/2020		3/19/2020	
LAB SAMPLE ID			460-182234-1		460-200541-1		L2012566-01	
SAMPLE TYPE			Water		Water		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Benzene	1	ug/l	0.43	U	0.2	U	1.4	
1,2-Dichloropropane	1	ug/l	0.35	U	0.35	U	2.7	

LEGEND:

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MW-1 — GROUNDWATER MONITORING WELL

SCALE: 1"=40'

0 40 80

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: yy
chk by: JS
scale: 1" = 40
date: 04/07/2020

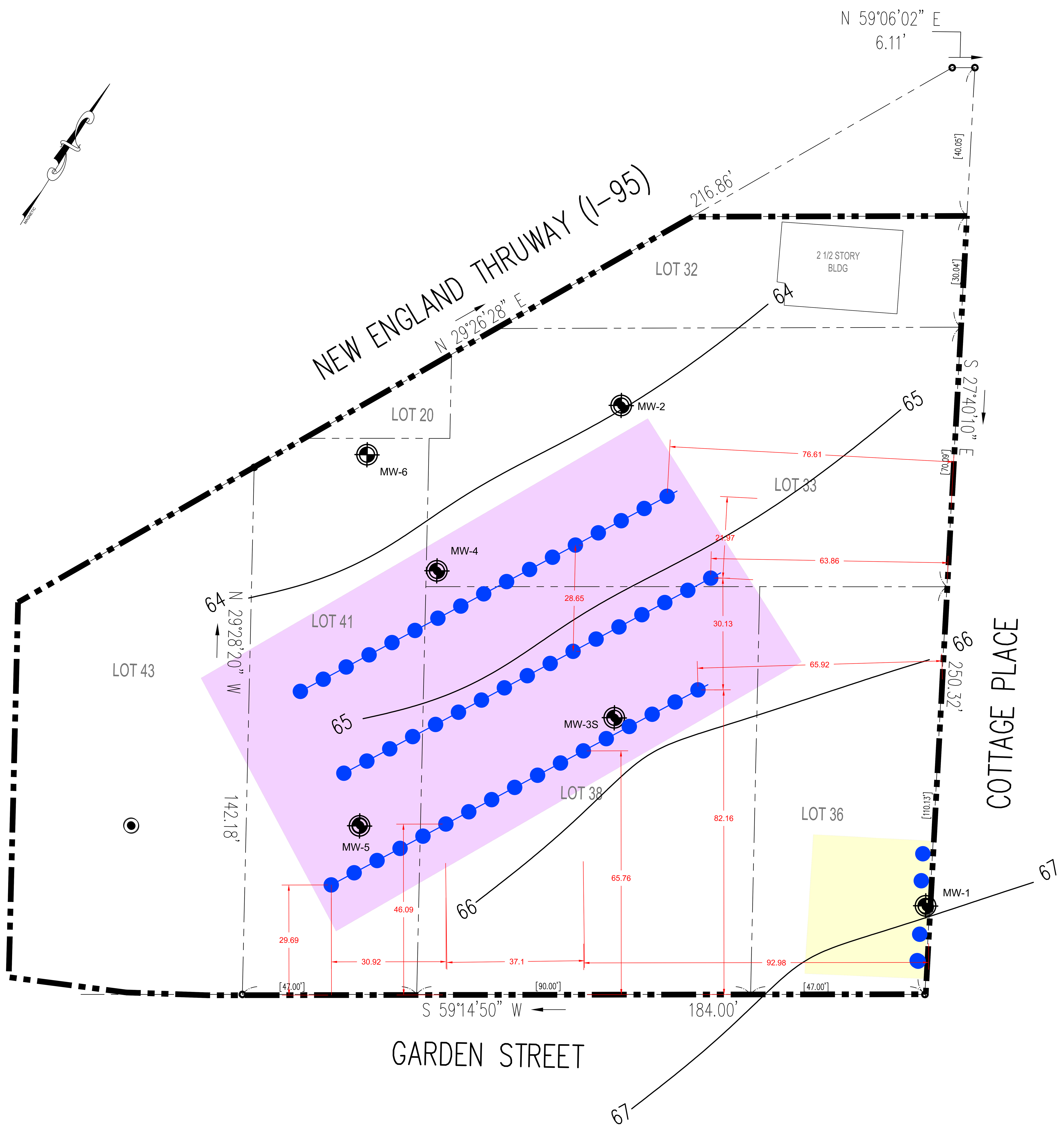
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

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

drawing title: GROUNDWATER SAMPLING RESULTS PLAN

job no: 10491
drawing no: FIG-2.2

N:\ACAD\10491\INJECTION WORK PLAN\10491 FIG-1 GROUNDWATER SAMPLING RESULTS PLAN.DWG 04/07/20 10:18:32AM, gas, LAYOUT:FIG-1



LEGEND:

- PROPERTY BOUNDARY
MW-1 - GROUNDWATER MONITORING WELL
- BCP SITE BOUNDARY
67 — 67 - GROUNDWATER CONTOUR (JUNE, 2019)
- INJECTION POINT

Scale 1"=15'
0 8 15 30 45 60

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

N:\ACAD\10491\INJECTION WORK PLAN\10491 FIG-3.1 INJECTION AREA PLAN.DWG

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

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

dwg by: yy
chk by: FD
scale: AS NOTED
date: 05/26/2020

GARDEN STREET RESIDENCES
NEW ROCHELLE, WESTCHESTER COUNTY, NY

drawing title:
GROUNDWATER TREATMENT INJECTION PLAN

job no. 10491
drawing no.
FIG-3.1

1 of 1

APPENDIX B
SUMMARY TABLES

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-1		RA-2		RA-3		RA-4		RA-5		RA-6		RA-7		RA-8		RA-9		RA-10		RA-11	
SAMPLING DATE				2/27/2020		L2010273-01		2/18/2020		2/19/2020		2/27/2020		3/10/2020		3/17/2020		3/17/2020		2/20/2020		2/20/2020		2/18/2020	
LAB SAMPLE ID				L2008790-01		3/6/2020		L2007257-01		L2007437-01		L2008790-02		L2010776-02		L2012029-01		L2012029-02		L2007710-01		L2007710-02		L2007257-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14		14		14		14	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS																									
Acenaphthene	83-32-9	20	mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.16	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2-Chloronaphthalene	91-58-7		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	206-44-0	100	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.023	J
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.21	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.22	U	0.24	U	0.21	U	0.21	U	0.21	U	0.18	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.2	U	0.21	U	0.19	U	0.19	U	0.19	U	0.51	U	0.19	U	0.2	U	0.19	U	0.2	U	0.19	U
Hexachlorobutadiene	87-68-3		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.14	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.53	U	0.56	U	0.51	U	0.5	U	0.51	U	0.16	U	0.51	U	0.52	U	0.5	U	0.52	U	0.51	U
Hexachloroethane	67-72-1		mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
Isophorone	78-59-1		mg/kg	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	91-20-3	12	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Nitrobenzene	98-95-3		mg/kg	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
NDPA/DPA	86-30-6		mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate	84-74-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	117-84-0		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.41	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	84-66-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	131-11-3		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.21	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Chrysene	218-01-9	1	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Acenaphthylene	208-96-8	100	mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
Anthracene	120-12-7	100	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
Fluorene	86-73-7	30	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.14	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Phenanthrene	85-01-8	100	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.18	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.11	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U
Pyrene	129-00-0	100	mg/kg	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U	0.14	U	0.11	U	0.11	U	0.1	U	0.11	U	0.019	J
Biphenyl	92-52-4		mg/kg	0.42	U	0.45	U	0.4	U	0.4	U	0.4	U	0.11	U	0.41	U	0.41	U	0.4	U	0.42	U	0.4	U
4-Chloroaniline	106-47-8		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	88-74-4		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Nitroaniline	99-09-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.14	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	100-01-6		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzofuran	132-64-9	7	mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.14	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	91-57-6		mg/kg	0.22	U	0.24	U	0.21	U	0.21	U	0.21	U	0.18	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Acetophenone	98-86-2		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Benzyl Alcohol	100-51-6		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.14	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	86-74-8		mg/kg	0.18	U	0.2	U	0.18	U	0.17	U	0.18	U	0.11	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U

* Comparison is not performed on parameters with non-numeric criteria.
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.
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-12		RA-13		RA-14		RA-15		RA-16		RA-17		RA-18		RA-19		RA-20		RA-21		RA-22	
SAMPLING DATE				2/27/2020		2/27/2020		3/12/2020		3/12/2020		2/18/2020		2/24/2020		2/24/2020		2/24/2020		2/27/2020		2/27/2020		2/19/2020	
LAB SAMPLE ID				L2008790-03		L2008790-04		L2011382-03		L2011382-04		L2007257-03		L2008174-01		L2008174-02		L2008174-03		L2008790-05		L2008790-06		L2007437-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14		14		14		14	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS																									
Acenaphthene	83-32-9	20	mg/kg	0.15	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.16	U	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
2-Chloronaphthalene	91-58-7		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Fluoranthene	206-44-0	100	mg/kg	0.13		0.12	U	0.12	U	0.043	J	0.084	J	0.1	U	0.11	U	0.12	U	0.1	U	0.35		0.06	J
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.22	U	0.23	U	0.23	U	0.22	U	0.23	U	0.21	U	0.21	U	0.23	U	0.21	U	0.22	U	0.21	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.2	U	0.21	U	0.21	U	0.2	U	0.21	U	0.19	U	0.19	U	0.21	U	0.19	U	0.2	U	0.19	U
Hexachlorobutadiene	87-68-3		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.52	U	0.55	U	0.56	U	0.52	U	0.55	U	0.5	U	0.51	U	0.55	U	0.5	U	0.53	U	0.5	U
Hexachloroethane	67-72-1		mg/kg	0.15	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U
Isophorone	78-59-1		mg/kg	0.16	U	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
Naphthalene	91-20-3	12	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Nitrobenzene	98-95-3		mg/kg	0.16	U	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
NDPA/DPA	86-30-6		mg/kg	0.15	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.15	J	0.17	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Di-n-butylphthalate	84-74-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Di-n-octylphthalate	117-84-0		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Diethyl phthalate	84-66-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Dimethyl phthalate	131-11-3		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.066	J	0.12	U	0.12	U	0.028	J	0.043	J	0.1	U	0.11	U	0.12	U	0.1	U	0.18		0.034	J
Benzo(a)pyrene	50-32-8	1	mg/kg	0.062	J	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.18		0.14	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.073	J	0.12	U	0.12	U	0.11	U	0.042	J	0.1	U	0.11	U	0.12	U	0.1	U	0.23		0.038	J
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.029	J	0.12	U	0.12	U	0.11	U	0.12	U	0.1	U	0.11	U	0.12	U	0.1	U	0.095	J	0.1	U
Chrysene	218-01-9	1	mg/kg	0.073	J	0.12	U	0.12	U	0.11	U	0.037	J	0.1	U	0.11	U	0.12	U	0.1	U	0.18		0.029	J
Acenaphthylene	208-96-8	100	mg/kg	0.15	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U
Anthracene	120-12-7	100	mg/kg	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.1	U	0.11	U	0.12	U	0.1	U	0.044	J	0.1	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.035	J	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.11	J	0.14	U
Fluorene	86-73-7	30	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Phenanthrene	85-01-8	100	mg/kg	0.072	J	0.12	U	0.12	U	0.11	U	0.085	J	0.1	U	0.11	U	0.12	U	0.1	U	0.17		0.041	J
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.1	U	0.11	U	0.12	U	0.1	U	0.03	J	0.1	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.035	J	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	0.12	J	0.14	U
Pyrene	129-00-0	100	mg/kg	0.12		0.12	U	0.12	U	0.039	J	0.074	J	0.1	U	0.11	U	0.12	U	0.1	U	0.31		0.052	J
Biphenyl	92-52-4		mg/kg	0.42	U	0.44	U	0.44	U	0.42	U	0.44	U	0.4	U	0.41	U	0.44	U	0.4	U	0.42	U	0.4	U
4-Chloroaniline	106-47-8		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
2-Nitroaniline	88-74-4		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
3-Nitroaniline	99-09-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
4-Nitroaniline	100-01-6		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Dibenzofuran	132-64-9	7	mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
2-Methylnaphthalene	91-57-6		mg/kg	0.22	U	0.23	U	0.23	U	0.22	U	0.23	U	0.21	U	0.21	U	0.23	U	0.21	U	0.22	U	0.21	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Acetophenone	98-86-2		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Benzyl Alcohol	100-51-6		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.18	U	0.17	U
Carbazole	86-74-8		mg/kg	0.18	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.18	U	0.19	U	0.18	U	0.025	J	0.17	U

* Comparison is not performed on parameters with non-numeric criteria.
NJ - Presumptive evidence of compound. This represents an estimated concentratic
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-23		RA-24		RA-25		RA-26		RA-27		RA-28		RA-29		RA-30		RA-31		RA-32		RA-33	
SAMPLING DATE				2/18/2020		2/17/2020		2/13/2020		2/25/2020		2/27/2020		2/27/2020		2/27/2020		2/27/2020		2/18/2020		2/14/2020		2/13/2020	
LAB SAMPLE ID				L2007257-04		L2007067-01		L2006687-01		L2008340-01		L2008790-07		L2008790-08		L2008790-09		L2008790-10		L2007257-05		L2006960-01		L2006687-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14		14		14		14	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS																									
Acenaphthene	83-32-9	20	mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.18	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U
2-Chloronaphthalene	91-58-7		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Fluoranthene	206-44-0	100	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U	0.21	U	0.23	U	0.22	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.22	U	0.19	U	0.2	U	0.2	U	0.2	U	0.19	U	0.2	U	0.2	U	0.19	U	0.21	U	0.2	U
Hexachlorobutadiene	87-68-3		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.58	U	0.51	U	0.53	U	0.52	U	0.53	U	0.5	U	0.53	U	0.52	U	0.51	U	0.55	U	0.53	U
Hexachloroethane	67-72-1		mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
Isophorone	78-59-1		mg/kg	0.18	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U
Naphthalene	91-20-3	12	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Nitrobenzene	98-95-3		mg/kg	0.18	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U
NDPA/DPA	86-30-6		mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	3.4		0.19	U	0.18	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Di-n-butylphthalate	84-74-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Di-n-octylphthalate	117-84-0		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Diethyl phthalate	84-66-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Dimethyl phthalate	131-11-3		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Chrysene	218-01-9	1	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Acenaphthylene	208-96-8	100	mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
Anthracene	120-12-7	100	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
Fluorene	86-73-7	30	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Phenanthrene	85-01-8	100	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U
Pyrene	129-00-0	100	mg/kg	0.02	J	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Biphenyl	92-52-4		mg/kg	0.46	U	0.41	U	0.42	U	0.41	U	0.42	U	0.4	U	0.42	U	0.42	U	0.41	U	0.44	U	0.42	U
4-Chloroaniline	106-47-8		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Nitroaniline	88-74-4		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
3-Nitroaniline	99-09-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Nitroaniline	100-01-6		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Dibenzofuran	132-64-9	7	mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Methylnaphthalene	91-57-6		mg/kg	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U	0.21	U	0.23	U	0.22	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Acetophenone	98-86-2		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Benzyl Alcohol	100-51-6		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U
Carbazole	86-74-8		mg/kg	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U

* Comparison is not performed on parameters with non-numeric criteria.
NJ - Presumptive evidence of compound. This represents an estimated concentratic
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-34		RA-35		RA-36		RA-37		RA-38		RA-39		RA-40		RA-41		RA-42		RA-43		RA-44	
SAMPLING DATE				2/13/2020		2/25/2020		2/27/2020		2/27/2020		2/27/2020		2/21/2020		2/14/2020		2/13/2020		2/13/2020		2/13/2020		2/24/2020	
LAB SAMPLE ID				L2006687-03		L2008340-02		L2008790-11		L2008790-12		L2008790-13		L2007997-01		L2006960-02		L2006687-04		L2006687-05		L2006687-06		L2008174-04	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14		14		14		14	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS																									
Acenaphthene	83-32-9	20	mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.17	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U
2-Chloronaphthalene	91-58-7		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Fluoranthene	206-44-0	100	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.034	J	0.023	J	0.11	U	0.11	U	0.11	U	0.11	U
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.23	U	0.24	U	0.22	U	0.22	U	0.21	U	0.21	U	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.2	U	0.22	U	0.19	U	0.2	U	0.19	U	0.19	U	0.19	U	0.2	U	0.19	U	0.2	U	0.2	U
Hexachlorobutadiene	87-68-3		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.54	U	0.58	U	0.51	U	0.52	U	0.51	U	0.5	U	0.51	U	0.53	U	0.5	U	0.52	U	0.53	U
Hexachloroethane	67-72-1		mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
Isophorone	78-59-1		mg/kg	0.17	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U	0.045	J	0.17	U	0.16	U	0.16	U	0.17	U
Naphthalene	91-20-3	12	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Nitrobenzene	98-95-3		mg/kg	0.17	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U
NDPA/DPA	86-30-6		mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate	84-74-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	117-84-0		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	84-66-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	131-11-3		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Chrysene	218-01-9	1	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Acenaphthylene	208-96-8	100	mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
Anthracene	120-12-7	100	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
Fluorene	86-73-7	30	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Phenanthrene	85-01-8	100	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.022	J	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U
Pyrene	129-00-0	100	mg/kg	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.03	J	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Biphenyl	92-52-4		mg/kg	0.43	U	0.46	U	0.41	U	0.42	U	0.41	U	0.4	U	0.41	U	0.42	U	0.4	U	0.42	U	0.42	U
4-Chloroaniline	106-47-8		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	88-74-4		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
3-Nitroaniline	99-09-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	100-01-6		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Dibenzofuran	132-64-9	7	mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	91-57-6		mg/kg	0.23	U	0.24	U	0.22	U	0.22	U	0.21	U	0.21	U	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Acetophenone	98-86-2		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Benzyl Alcohol	100-51-6		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
Carbazole	86-74-8		mg/kg	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U

* Comparison is not performed on parameters with non-numeric criteria.
NJ - Presumptive evidence of compound. This represents an estimated concentratic
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-45		RA-46		RA-47		RA-48		RA-49		RA-50		RA-51		RA-52		RA-A1		RA-A2		RA-A3	
SAMPLING DATE				2/24/2020		2/24/2020		2/19/2020		2/13/2020		2/13/2020		2/13/2020		2/13/2020		2/13/2020		3/6/2020		3/12/2020		3/6/2020	
LAB SAMPLE ID				L2008174-05		L2008174-06		L2007437-03		L2006687-07		L2006687-08		L2006687-09		L2006687-10		L2006687-11		L2010273-02		L2011382-05		L2010273-03	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14		24		24		21	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS																									
Acenaphthene	83-32-9	20	mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U
2-Chloronaphthalene	91-58-7		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Fluoranthene	206-44-0	100	mg/kg	0.11	U	0.022	J	0.12	U	0.11	U	0.048	J	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.22	U	0.21	U	0.23	U	0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.24	U	0.22	U	0.25	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.2	U	0.19	U	0.21	U	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.22	U	0.2	U	0.23	U
Hexachlorobutadiene	87-68-3		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.54	U	0.51	U	0.55	U	0.52	U	0.54	U	0.52	U	0.54	U	0.54	U	0.58	U	0.53	U	0.6	U
Hexachloroethane	67-72-1		mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
Isophorone	78-59-1		mg/kg	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U
Naphthalene	91-20-3	12	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.092	J	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Nitrobenzene	98-95-3		mg/kg	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U
NDPA/DPA	86-30-6		mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Di-n-butylphthalate	84-74-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Di-n-octylphthalate	117-84-0		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Diethyl phthalate	84-66-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Dimethyl phthalate	131-11-3		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.025	J	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Chrysene	218-01-9	1	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.021	J	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Acenaphthylene	208-96-8	100	mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
Anthracene	120-12-7	100	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
Fluorene	86-73-7	30	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Phenanthrene	85-01-8	100	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.028	J	0.024	J	0.11	U	0.11	U	0.12	U	0.026	J	0.12	U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.16	U	0.15	U	0.17	U
Pyrene	129-00-0	100	mg/kg	0.11	U	0.021	J	0.12	U	0.11	U	0.042	J	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
Biphenyl	92-52-4		mg/kg	0.43	U	0.41	U	0.44	U	0.42	U	0.43	U	0.41	U	0.43	U	0.44	U	0.46	U	0.42	U	0.48	U
4-Chloroaniline	106-47-8		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
2-Nitroaniline	88-74-4		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
3-Nitroaniline	99-09-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
4-Nitroaniline	100-01-6		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Dibenzofuran	132-64-9	7	mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
2-Methylnaphthalene	91-57-6		mg/kg	0.22	U	0.21	U	0.23	U	0.22	U	0.22	U	0.39		0.22	U	0.23	U	0.24	U	0.22	U	0.25	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Acetophenone	98-86-2		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Benzyl Alcohol	100-51-6		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U
Carbazole	86-74-8		mg/kg	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.2	U	0.18	U	0.21	U

* Comparison is not performed on parameters with non-numeric criteria.
NJ - Presumptive evidence of compound. This represents an estimated concentratic
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria

Summary of Remedial End-Point Samples Results - SVOCs
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-A4		RA-A5		RA-A6		RA-A7		RA-A8	
SAMPLING DATE				3/6/2020		3/10/2020		3/6/2020		3/6/2020		3/6/2020	
LAB SAMPLE ID				L2010273-07		L2010776-01		L2010273-04		L2010273-06		L2010273-05	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				21		21		21		21		21	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS													
Acenaphthene	83-32-9	20	mg/kg	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U
1,2,4-Trichlorobenzene	120-82-1		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	0.1	U	0.16	U	0.11	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether	111-44-4		mg/kg	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U
2-Chloronaphthalene	91-58-7		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	541-73-1	2.4	mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	106-46-7	1.8	mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
3,3'-Dichlorobenzidine	91-94-1		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene	121-14-2		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	606-20-2		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	206-44-0	100	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
4-Chlorophenyl phenyl ether	7005-72-3		mg/kg	0.17	U	0.21	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether	101-55-3		mg/kg	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether	108-60-1		mg/kg	0.21	U	0.18	U	0.21	U	0.21	U	0.21	U
Bis(2-chloroethoxy)methane	111-91-1		mg/kg	0.19	U	0.5	U	0.19	U	0.19	U	0.19	U
Hexachlorobutadiene	87-68-3		mg/kg	0.17	U	0.14	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	77-47-4		mg/kg	0.5	U	0.16	U	0.51	U	0.51	U	0.51	U
Hexachloroethane	67-72-1		mg/kg	0.14	U	0.16	U	0.14	U	0.14	U	0.14	U
Isophorone	78-59-1		mg/kg	0.16	U	0.14	U	0.16	U	0.16	U	0.16	U
Naphthalene	91-20-3	12	mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Nitrobenzene	98-95-3		mg/kg	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U
NDPA/DPA	86-30-6		mg/kg	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U
n-Nitrosodi-n-propylamine	621-64-7		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	85-68-7		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate	84-74-2		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	117-84-0		mg/kg	0.17	U	0.4	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	84-66-2		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	131-11-3		mg/kg	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.1	U	0.21	U	0.11	U	0.11	U	0.11	U
Chrysene	218-01-9	1	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
Acenaphthylene	208-96-8	100	mg/kg	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U
Anthracene	120-12-7	100	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.14	U	0.18	U	0.14	U	0.14	U	0.14	U
Fluorene	86-73-7	30	mg/kg	0.17	U	0.14	U	0.18	U	0.18	U	0.18	U
Phenanthrene	85-01-8	100	mg/kg	0.1	U	0.1	U	0.11	U	0.11	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.1	U	0.18	U	0.11	U	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.14	U	0.1	U	0.14	U	0.14	U	0.14	U
Pyrene	129-00-0	100	mg/kg	0.1	U	0.14	U	0.11	U	0.11	U	0.11	U
Biphenyl	92-52-4		mg/kg	0.4	U	0.1	U	0.4	U	0.41	U	0.41	U
4-Chloroaniline	106-47-8		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	88-74-4		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
3-Nitroaniline	99-09-2		mg/kg	0.17	U	0.14	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	100-01-6		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
Dibenzofuran	132-64-9	7	mg/kg	0.17	U	0.14	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	91-57-6		mg/kg	0.21	U	0.18	U	0.21	U	0.21	U	0.21	U
1,2,4,5-Tetrachlorobenzene	95-94-3		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
Acetophenone	98-86-2		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U
Benzyl Alcohol	100-51-6		mg/kg	0.17	U	0.14	U	0.18	U	0.18	U	0.18	U
Carbazole	86-74-8		mg/kg	0.17	U	0.1	U	0.18	U	0.18	U	0.18	U

* Comparison is not performed on parameters with non-numeric criteria.
NJ - Presumptive evidence of compound. This represents an estimated concentratic
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-1		RA-2		RA-3		RA-4		RA-5		RA-6		RA-7		RA-8	
SAMPLING DATE				2/27/2020		L2010273-01		2/18/2020		2/19/2020		2/27/2020		3/10/2020		3/17/2020		3/17/2020	
LAB SAMPLE ID				L2008790-01		3/6/2020		L2007257-01		L2007437-01		L2008790-02		L2010776-02		L2012029-01		L2012029-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
	Aluminum, Total	7429-90-5		mg/kg	5650		6330		4520		4720		6550		4830		4430		5610	
	Antimony, Total	7440-36-0		mg/kg	4.37	U	4.61	U	1.02	J	1.18	J	4.1	U	4.27	U	ND		ND	
	Arsenic, Total	7440-38-2	13	mg/kg	1.89		1.05		0.317	J	0.223	J	0.829		0.854	U	1.59		0.998	
	Barium, Total	7440-39-3	350	mg/kg	59.4		61.7		56.6		50.1		67.5		50.6		46.5		54.5	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.122	J	0.461	U	0.158	J	0.143	J	0.139	J	0.171	J	ND		ND	
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.874	U	0.148	J	0.158	J	0.159	J	0.82	U	0.572	J	0.325	J	0.193	J
	Calcium, Total	7440-70-2		mg/kg	3790		8920		4000		3510		5420		3540		3080		3740	
	Chromium, Total	7440-47-3		mg/kg	13.5		20.8		14		13.2		15.5		13.5		14.9		15.1	
	Cobalt, Total	7440-48-4		mg/kg	6.34		6.78		6.05		5.25		6.52		6.39		6.01		6.82	
	Copper, Total	7440-50-8	50	mg/kg	12.7		12.9		11.6		11.8		15.6		11.1		10		10.7	
	Iron, Total	7439-89-6		mg/kg	10400		10400		10400		8880		11800		11100		8890		10400	
	Lead, Total	7439-92-1	63	mg/kg	4.48		6.45		2.34	J	1.78	J	2.73	J	2.6	J	4.43		4.88	
	Magnesium, Total	7439-95-4		mg/kg	3890		3410		3870		3440		5600		3430		3250		3560	
	Manganese, Total	7439-96-5	1600	mg/kg	165		177		134		113		164		117		125		143	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.072	U	0.075	U	0.068	U	0.066	U	0.069	U	0.069	U	ND		ND	
	Nickel, Total	7440-02-0	30	mg/kg	11		12		12		10.4		13.8		11.7		14.4		11.7	
	Potassium, Total	7440-09-7		mg/kg	2850		3120		2630		2450		3490		2510		2090		2730	
	Selenium, Total	7782-49-2	3.9	mg/kg	1.75	U	0.24	J	1.67	U	1.59	U	1.64	U	1.71	U	ND		ND	
	Silver, Total	7440-22-4	2	mg/kg	0.874	U	0.922	U	0.835	U	0.796	U	0.82	U	0.854	U	ND		ND	
	Sodium, Total	7440-23-5		mg/kg	134	J	162	J	147	J	141	J	194		117	J	103	J	164	J
	Thallium, Total	7440-28-0		mg/kg	1.75	U	1.84	U	1.67	U	1.59	U	1.64	U	1.71	U	ND		ND	
	Vanadium, Total	7440-62-2		mg/kg	17.7		19.6		17.7		16.9		18.8		17.1		16.7		19	
	Zinc, Total	7440-66-6	109	mg/kg	22		32.5		19.2		18.4		26		20.9		29.9		22.2	

* Comparison is not performed on parameters with non-numeric criteria.
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.
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-9		RA-10		RA-11		RA-12		RA-13		RA-14		RA-15		RA-15I	
SAMPLING DATE				2/20/2020		2/20/2020		2/18/2020		2/27/2020		2/27/2020		L2011382-03		L2011382-04		3/17/2020	
LAB SAMPLE ID				L2007710-01		L2007710-02		L2007257-02		L2008790-03		L2008790-04		3/12/2020		3/12/2020		L2012029-03	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		15	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
	Aluminum, Total	7429-90-5		mg/kg	4540		6760		5470		12000		5140		6820		4240		5360	
	Antimony, Total	7440-36-0		mg/kg	4.02	U	4.24	U	1.13	J	4.22	U	4.53	U	1.27	J	0.829	J	4.18	U
	Arsenic, Total	7440-38-2	13	mg/kg	1.03		1.12		0.76	J	1.53		0.489	J	1.42		0.471	J	0.87	
	Barium, Total	7440-39-3	350	mg/kg	49		61.3		60.1		84.6		51.9		71.5		49.8		52	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.402	U	0.424	U	0.205	J	0.228	J	0.127	J	0.206	J	0.131	J	0.418	U
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.169	J	0.229	J	0.188	J	0.845	U	0.906	U	0.178	J	0.454	J	0.209	J
	Calcium, Total	7440-70-2		mg/kg	2280		1210		1470		4540		4140		4100		3560		3990	
	Chromium, Total	7440-47-3		mg/kg	11.6		15.8		15.4		20.6		13.4		18.4		13.2		21.6	
	Cobalt, Total	7440-48-4		mg/kg	5.02		6.7		6.95		10		5.47		6.71		5.8		6.9	
	Copper, Total	7440-50-8	50	mg/kg	8.75		14.5		12.7		21.4		15.2		12.7		9.74		12.4	
	Iron, Total	7439-89-6		mg/kg	8300		11400		12000		15800		9580		12000		8370		10700	
	Lead, Total	7439-92-1	63	mg/kg	2.2	J	3.14	J	6.51		14.7		2.11	J	3.47	J	2.45	J	4.28	
	Magnesium, Total	7439-95-4		mg/kg	2430		2580		2650		5960		5830		4270		3550		3730	
	Manganese, Total	7439-96-5	1600	mg/kg	110		186		191		200		195		176		161		166	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.067	U	0.071	U	0.068	U	0.071	U	0.075	U	ND		ND		0.069	U
	Nickel, Total	7440-02-0	30	mg/kg	9.38		12.1		12.5		16.3		25.5		15.7		54.6		14	
	Potassium, Total	7440-09-7		mg/kg	2040		3190		3010		4000		2340		3340		2140		2550	
	Selenium, Total	7782-49-2	3.9	mg/kg	1.61	U	0.348	J	1.71	U	1.69	U	1.81	U	ND		ND		1.67	U
	Silver, Total	7440-22-4	2	mg/kg	0.805	U	0.848	U	0.854	U	0.845	U	0.906	U	ND		ND		0.837	U
	Sodium, Total	7440-23-5		mg/kg	254		176		125	J	378		172	J	213		125	J	118	J
	Thallium, Total	7440-28-0		mg/kg	1.61	U	1.7	U	1.71	U	1.69	U	1.81	U	ND		ND		1.67	U
	Vanadium, Total	7440-62-2		mg/kg	13.8		18.5		19.9		36.2		15.8		21.6		15.3		19.1	
	Zinc, Total	7440-66-6	109	mg/kg	15.1		23.8		27.7		40.1		17.4		31.2		36.5		22.4	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-16		RA-17		RA-18		RA-19		RA-20		RA-21		RA-21R		RA-22	
	SAMPLING DATE				2/18/2020		2/24/2020		2/24/2020		2/24/2020		2/27/2020		2/27/2020		L2010478-01		2/19/2020	
	LAB SAMPLE ID				L2007257-03		L2008174-01		L2008174-02		L2008174-03		L2008790-05		L2008790-06		3/9/2020		L2007437-02	
	SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		15		14	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
	Aluminum, Total	7429-90-5		mg/kg	8210		5630		6140		9320		5340		8990		5010		5660	
	Antimony, Total	7440-36-0		mg/kg	1.74	J	4.12	U	0.774	J	4.64	U	4.1	U	4.3	U	ND		1.2	J
	Arsenic, Total	7440-38-2	13	mg/kg	0.617	J	1.85		0.892		1.26		0.878		1.52		1.04		0.493	J
	Barium, Total	7440-39-3	350	mg/kg	100		55.1		54.8		73.3		45.6		93.7		55.7		61.3	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.309	J	0.412	U	0.421	U	0.464	U	0.139	J	0.232	J	ND		0.17	J
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.327	J	0.181	J	0.152	J	0.241	J	0.82	U	0.861	U	0.136	J	1.2	
	Calcium, Total	7440-70-2		mg/kg	4070		4640		1480		1030		892		3220		4800		4750	
	Chromium, Total	7440-47-3		mg/kg	24.1		14.6		14.2		18.8		10.5		18.7		15.1		16.5	
	Cobalt, Total	7440-48-4		mg/kg	9.95		6.18		6.54		9.16		5.14		8.04		7.11		6.08	
	Copper, Total	7440-50-8	50	mg/kg	14.8		11.4		10.6		16.1		11.7		17.9		11.8		12.6	
	Iron, Total	7439-89-6		mg/kg	16700		10100		10300		15300		9810		14200		9600		10300	
	Lead, Total	7439-92-1	63	mg/kg	2.58	J	3.62	J	3	J	4.31	J	2.33	J	79.6		4.15	J	4.74	
	Magnesium, Total	7439-95-4		mg/kg	5310		3840		2420		2860		2080		3960		4660		3600	
	Manganese, Total	7439-96-5	1600	mg/kg	263		174		172		405		190		225		130	B	153	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.075	U	0.066	U	0.067	U	0.074	U	0.069	U	0.102		ND		0.067	U
	Nickel, Total	7440-02-0	30	mg/kg	16.2		12		10.6		13.8		8.98		14.2		12.9		13.1	
	Potassium, Total	7440-09-7		mg/kg	5870		2280		2420		3460		2220		3580		2640		2820	
	Selenium, Total	7782-49-2	3.9	mg/kg	0.3	J	0.379	J	0.337	J	0.724	J	1.64	U	1.72	U	ND		1.62	U
	Silver, Total	7440-22-4	2	mg/kg	0.908	U	0.824	U	0.842	U	0.928	U	0.82	U	0.861	U	ND		0.808	U
	Sodium, Total	7440-23-5		mg/kg	165	J	1620		412		267		129	J	266		151	J	229	
	Thallium, Total	7440-28-0		mg/kg	1.82	U	1.65	U	1.68	U	1.86	U	1.64	U	1.72	U	ND		1.62	U
	Vanadium, Total	7440-62-2		mg/kg	32		17.4		18.6		26.3		14.9		24.6		18.2		18.5	
	Zinc, Total	7440-66-6	109	mg/kg	36.8		21		21.5		30.2		19.5		60.3		21.9		68.2	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-23		RA-23R		RA-23RI		RA-24		RA-25		RA-26		RA-27		RA-28	
	SAMPLING DATE				2/18/2020		L2011382-01		3/17/2020		2/17/2020		2/13/2020		2/25/2020		2/27/2020		2/27/2020	
	LAB SAMPLE ID				L2007257-04		3/12/2020		L2012029-04		L2007067-01		L2006687-01		L2008340-01		L2008790-07		L2008790-08	
	SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.) Estimated				14		15		16		14		14		14		14		14	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
	Aluminum, Total	7429-90-5		mg/kg	7320		5480		4290		5620		6600		6020		4900		4400	
	Antimony, Total	7440-36-0		mg/kg	4.8	U	1.12	J	4.21	U	4.33	U	4.47	U	4.24	U	4.41	U	4.19	U
	Arsenic, Total	7440-38-2	13	mg/kg	1.21		0.23	J	0.791	J	0.346	J	0.893	U	1.09		0.6	J	0.77	J
	Barium, Total	7440-39-3	350	mg/kg	74.9		60.6		43.2		52.3		62.1		60.6		52.9		39.6	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.23	J	0.168	J	0.421	U	0.13	J	0.152	J	0.424	U	0.115	J	0.109	J
	Cadmium, Total	7440-43-9	2.5	mg/kg	2.42		0.363	J	0.16	J	0.866	U	0.893	U	0.169	J	0.882	U	0.838	U
	Calcium, Total	7440-70-2		mg/kg	2100		3050		3510		2080		1220		1870		2870		818	
	Chromium, Total	7440-47-3		mg/kg	23.3		17		12.2		14.4		15.2		14.8		12.3		9.6	
	Cobalt, Total	7440-48-4		mg/kg	8.42		6.77		5.94		5.59		5.99		7.02		5.4		4.84	
	Copper, Total	7440-50-8	50	mg/kg	17.7		13.3		9.4		16.5		14.4		12.7		11.4		9.14	
	Iron, Total	7439-89-6		mg/kg	12300		10300		8480		10000		11500		11200		9040		7760	
	Lead, Total	7439-92-1	63	mg/kg	15.3		3.78	J	4.04	J	3.53	J	2.3	J	3.28	J	2.17	J	2.06	J
	Magnesium, Total	7439-95-4		mg/kg	3220		3540		3360		2910		2530		2700		3100		1680	
	Manganese, Total	7439-96-5	1600	mg/kg	179		145		109		150		156		162		120		136	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.078	U	ND		0.069	U	0.07	U	0.072	U	0.069	U	0.071	U	0.068	U
	Nickel, Total	7440-02-0	30	mg/kg	27.4		36.9		10.2		16.4		23		11.8		10.6		8.38	
	Potassium, Total	7440-09-7		mg/kg	3350		2700		2140		2560		3470		2950		2340		1900	
	Selenium, Total	7782-49-2	3.9	mg/kg	1.92	U	ND		1.68	U	1.73	U	1.79	U	0.576	J	1.76	U	1.68	U
	Silver, Total	7440-22-4	2	mg/kg	0.96	U	ND		0.841	U	0.866	U	0.893	U	0.847	U	0.882	U	0.838	U
	Sodium, Total	7440-23-5		mg/kg	130	J	136	J	110	J	162	J	174	J	286		277		96.2	J
	Thallium, Total	7440-28-0		mg/kg	1.92	U	ND		1.68	U	1.73	U	1.79	U	1.69	U	1.76	U	1.68	U
	Vanadium, Total	7440-62-2		mg/kg	22.2		18		16.2		16.7		19.5		18.9		15.4		12.7	
	Zinc, Total	7440-66-6	109	mg/kg	193		42.4		18.8		22.6		25.7		24		17.8		15.1	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-29		RA-30		RA-31		RA-32		RA-32I		RA-33		RA-34		RA-35	
SAMPLING DATE				2/27/2020		2/27/2020		2/18/2020		2/14/2020		2/18/2020		2/13/2020		2/13/2020		2/25/2020	
LAB SAMPLE ID				L2008790-09		L2008790-10		L2007257-05		L2006960-01		L2007257-06		L2006687-02		L2006687-03		L2008340-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		14		14		15		14		14		14	
	CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
Aluminum, Total	7429-90-5		mg/kg	4670		7390		4400		4310		5980		6750		5830		7000	
Antimony, Total	7440-36-0		mg/kg	4.4	U	4.39	U	4.2	U	4.53	U	4.3	U	4.38	U	4.3	U	4.68	U
Arsenic, Total	7440-38-2	13	mg/kg	0.811	J	0.992		0.555	J	0.535	J	0.533	J	0.525	J	0.508	J	1.06	
Barium, Total	7440-39-3	350	mg/kg	48.4		76.7		48.7		53.5		62.3		80.8		60.3		69.5	
Beryllium, Total	7440-41-7	7.2	mg/kg	0.106	J	0.158	J	0.093	J	0.1	J	0.12	J	0.096	J	0.06	J	0.468	U
Cadmium, Total	7440-43-9	2.5	mg/kg	0.881	U	0.878	U	0.555	J	2.49		0.662	J	0.875	U	0.86	U	0.206	J
Calcium, Total	7440-70-2		mg/kg	2040		1200		2820		3300		1670		2990		4700		1630	
Chromium, Total	7440-47-3		mg/kg	12.2		16.8		21.3		12.7		16.8		16.9		16.1		16	
Cobalt, Total	7440-48-4		mg/kg	5.36		7.54		6.62		5.77		7.52		6.57		6.98		8.12	
Copper, Total	7440-50-8	50	mg/kg	10.6		15		16.3		13.3		17.8		23.8		13.8		13.4	
Iron, Total	7439-89-6		mg/kg	8810		12600		9410		9110		10800		12100		10700		13000	
Lead, Total	7439-92-1	63	mg/kg	2.51	J	2.74	J	7.64		1.84	J	10.5		37.3		2.81	J	3.89	J
Magnesium, Total	7439-95-4		mg/kg	2540		3060		3160		3420		2860		3490		3730		3110	
Manganese, Total	7439-96-5	1600	mg/kg	123		191		108		165		182		212		136		198	
Mercury, Total	7439-97-6	0.18	mg/kg	0.07	U	0.071	U	0.069	U	0.073	U	0.069	U	0.07	U	0.072	U	0.077	U
Nickel, Total	7440-02-0	30	mg/kg	10.5		13.3		13.6		15.7		16		16.9		12.7		14.2	
Potassium, Total	7440-09-7		mg/kg	2220		4290		2140		2500		2740		3060		3110		3440	
Selenium, Total	7782-49-2	3.9	mg/kg	1.76	U	1.76	U	1.68	U	1.81	U	1.72	U	0.359	J	1.72	U	0.449	J
Silver, Total	7440-22-4	2	mg/kg	0.881	U	0.878	U	0.841	U	0.907	U	0.86	U	0.875	U	0.86	U	0.936	U
Sodium, Total	7440-23-5		mg/kg	172	J	149	J	108	J	103	J	144	J	186		186		418	
Thallium, Total	7440-28-0		mg/kg	1.76	U	1.76	U	1.68	U	1.81	U	1.72	U	1.75	U	1.72	U	1.87	U
Vanadium, Total	7440-62-2		mg/kg	14.9		22.8		16.3		15.7		19		20.2		18.5		21.1	
Zinc, Total	7440-66-6	109	mg/kg	17.8		26.9		22.1		119		31.5		37.8		22.9		29.3	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-36		RA-37		RA-38		RA-39		RA-40		RA-40I		RA-41		RA-42	
	SAMPLING DATE				2/27/2020		2/27/2020		2/27/2020		2/21/2020		2/14/2020		2/18/2020		2/13/2020		2/13/2020	
	LAB SAMPLE ID				L2008790-11		L2008790-12		L2008790-13		L2007997-01		L2006960-02		L2007257-07		L2006687-04		L2006687-05	
	SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		15		14		14	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
	Aluminum, Total	7429-90-5		mg/kg	4820		3760		5820		2080		8260		6880		4890		4690	
	Antimony, Total	7440-36-0		mg/kg	4.15	U	4.27	U	4.21	U	1.1	J	4.25	U	4.29	U	4.37	U	4.27	U
	Arsenic, Total	7440-38-2	13	mg/kg	0.473	J	1.28		0.564	J	0.69	J	1.33		1.26		0.358	J	0.854	U
	Barium, Total	7440-39-3	350	mg/kg	49.4		35.7		62.4		19.9		89.1		66.8		52.6		51	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.108	J	0.094	J	0.135	J	0.076	J	0.221	J	0.18	J	0.052	J	0.068	J
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.829	U	0.854	U	0.842	U	0.093	J	0.85	U	0.79	J	0.874	U	0.854	U
	Calcium, Total	7440-70-2		mg/kg	1990		1090		1610		3170		2570		1690		3820		4260	
	Chromium, Total	7440-47-3		mg/kg	12		8.47		14.2		5.48		19.5		17.7		13.5		12.8	
	Cobalt, Total	7440-48-4		mg/kg	5.12		4.12		6.19		3.94		6.66		8.06		5.07		5.44	
	Copper, Total	7440-50-8	50	mg/kg	9.85		8.46		12.2		8.4		18.2		16.6		11.7		11.7	
	Iron, Total	7439-89-6		mg/kg	8760		7090		10300		5570		12900		12000		9110		9140	
	Lead, Total	7439-92-1	63	mg/kg	2.02	J	1.64	J	2.75	J	1.48	J	43.6		17.6		2.07	J	2.21	J
	Magnesium, Total	7439-95-4		mg/kg	3120		1690		2780		2380		3030		2690		3370		3730	
	Manganese, Total	7439-96-5	1600	mg/kg	116		73.7		141		137		269		236		116		116	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.069	U	0.07	U	0.068	U	0.067	U	0.402		0.071	U	0.07	U	0.07	U
	Nickel, Total	7440-02-0	30	mg/kg	14.7		7.56		11.4		8.64		15.9		15		10.6		10.6	
	Potassium, Total	7440-09-7		mg/kg	2200		1900		2840		765		3130		2700		2480		2390	
	Selenium, Total	7782-49-2	3.9	mg/kg	1.66	U	1.71	U	1.68	U	1.68	U	1.7	U	1.72	U	1.75	U	1.71	U
	Silver, Total	7440-22-4	2	mg/kg	0.829	U	0.854	U	0.842	U	0.841	U	0.85	U	0.859	U	0.874	U	0.854	U
	Sodium, Total	7440-23-5		mg/kg	284		126	J	160	J	41.6	J	139	J	118	J	164	J	167	J
	Thallium, Total	7440-28-0		mg/kg	1.66	U	1.71	U	1.68	U	1.68	U	1.7	U	1.72	U	1.75	U	1.71	U
	Vanadium, Total	7440-62-2		mg/kg	15.3		11.7		18.4		7.03		21.8		19.4		16.5		15.8	
	Zinc, Total	7440-66-6	109	mg/kg	17		14.4		21.8		8.36		49.8		34.9		17.5		17.3	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-43		RA-44		RA-45		RA-46		RA-47		RA-48		RA-49		RA-50	
	SAMPLING DATE				2/13/2020		2/24/2020		2/24/2020		2/24/2020		2/19/2020		2/13/2020		2/13/2020		2/13/2020	
	LAB SAMPLE ID				L2006687-06		L2008174-04		L2008174-05		L2008174-06		L2007437-03		L2006687-07		L2006687-08		L2006687-09	
	SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.) Estimated				14		14		14		14		14		14		14		14	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
	Aluminum, Total	7429-90-5		mg/kg	4680		5820		5850		6730		6800		6980		6040		5400	
	Antimony, Total	7440-36-0		mg/kg	4.33	U	4.45	U	4.36	U	4.14	U	1.29	J	4.41	U	4.36	U	4.46	U
	Arsenic, Total	7440-38-2	13	mg/kg	0.865	U	0.978		1.02		0.953		0.724	J	0.3	J	0.873	U	0.276	J
	Barium, Total	7440-39-3	350	mg/kg	58.7		51		63.7		62.6		68.6		84		66		53.8	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.061	J	0.445	U	0.436	U	0.414	U	0.211	J	0.071	J	0.061	J	0.071	J
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.865	U	0.16	J	0.166	J	0.182	J	0.229	J	0.882	U	0.873	U	0.891	U
	Calcium, Total	7440-70-2		mg/kg	4590		1590		1640		4790		1720		2880		3330		4280	
	Chromium, Total	7440-47-3		mg/kg	12.7		14.9		15.5		16.4		16.9		16		23.2		14.4	
	Cobalt, Total	7440-48-4		mg/kg	5.73		6.19		6.59		7.04		7.48		7.2		6.95		5.74	
	Copper, Total	7440-50-8	50	mg/kg	21		10.7		12.5		12.8		14.2		16.3		14.5		14.5	
	Iron, Total	7439-89-6		mg/kg	9400		10100		10900		11500		12000		12900		11100		10200	
	Lead, Total	7439-92-1	63	mg/kg	3	J	2.66	J	2.71	J	6.51		6.12		10.5		5.49		3.96	J
	Magnesium, Total	7439-95-4		mg/kg	4100		2130		2590		2790		2930		3790		3900		3590	
	Manganese, Total	7439-96-5	1600	mg/kg	108		223		138		199		139		189		163		133	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.07	U	0.071	U	0.071	U	0.068	U	0.074	U	0.07	U	0.072	U	0.071	U
	Nickel, Total	7440-02-0	30	mg/kg	12.4		11.2		12.4		11.5		13.6		12.5		15.1		11.2	
	Potassium, Total	7440-09-7		mg/kg	2540		1940		2590		2860		3620		3430		3110		2740	
	Selenium, Total	7782-49-2	3.9	mg/kg	0.32	J	0.249	J	0.445	J	0.597	J	1.83	U	1.76	U	1.74	U	1.78	U
	Silver, Total	7440-22-4	2	mg/kg	0.865	U	0.89	U	0.872	U	0.829	U	0.916	U	0.882	U	0.873	U	0.891	U
	Sodium, Total	7440-23-5		mg/kg	138	J	481		286		152	J	167	J	165	J	134	J	149	J
	Thallium, Total	7440-28-0		mg/kg	1.73	U	1.78	U	1.74	U	1.66	U	1.83	U	1.76	U	1.74	U	1.78	U
	Vanadium, Total	7440-62-2		mg/kg	15.4		17.4		20.3		21.3		22.4		22.7		18.8		18.4	
	Zinc, Total	7440-66-6	109	mg/kg	22.1		18.9		21.3		28.9		28.3		29.9		24.8		20.2	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

LOCATION				RA-51		RA-52		RA-A1		RA-A2		RA-A3		RA-A4		RA-A5		RA-A6	
SAMPLING DATE				2/13/2020		2/13/2020		3/6/2020		L2011382-05		3/6/2020		3/6/2020		3/10/2020		3/6/2020	
LAB SAMPLE ID				L2006687-10		L2006687-11		L2010273-02		3/12/2020		L2010273-03		L2010273-07		L2010776-01		L2010273-04	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.) Estimated				14		14		24		24		21		21		21		21	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
	Aluminum, Total	7429-90-5		mg/kg	5730		9200		4950		10200		5870		3640		5940		6270	
	Antimony, Total	7440-36-0		mg/kg	4.49	U	4.51	U	4.58	U	1.48	J	4.92	U	4.17	U	4.16	U	4.14	U
	Arsenic, Total	7440-38-2	13	mg/kg	0.557	J	0.604	J	0.935		1.13		0.935	J	2.07		0.832	U	1.1	
	Barium, Total	7440-39-3	350	mg/kg	56.5		87.4		51.1		76.6		60.7		36.3		62.1		66.5	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.072	J	0.162	J	0.458	U	0.314	J	0.492	U	0.417	U	0.15	J	0.414	U
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.898	U	0.902	U	0.147	J	ND		0.167	J	0.108	J	0.574	J	0.149	J
	Calcium, Total	7440-70-2		mg/kg	3940		2420		5570		670		4860		972		4540		5060	
	Chromium, Total	7440-47-3		mg/kg	15.1		21.2		13.9		18.8		15.5		9.41		14.4		15.3	
	Cobalt, Total	7440-48-4		mg/kg	6.9		8.08		6.61		8.18		8.06		4.87		6.37		7.12	
	Copper, Total	7440-50-8	50	mg/kg	13.6		18.8		10.2		13		12.1		8.08		13		12.2	
	Iron, Total	7439-89-6		mg/kg	11700		15000		9440		15500		10700		7550		10400		10800	
	Lead, Total	7439-92-1	63	mg/kg	2.14	J	19.1		3.36	J	3.66	J	4.68	J	2.69	J	33.8		5.41	
	Magnesium, Total	7439-95-4		mg/kg	3980		3690		4400		2930		4080		1680		3530		4490	
	Manganese, Total	7439-96-5	1600	mg/kg	149		363		119		360		156		97.4		153		188	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.072	U	0.089		0.076	U	ND		0.08	U	0.067	U	0.069	U	0.068	U
	Nickel, Total	7440-02-0	30	mg/kg	12.4		15.9		14.4		14.4		12.4		7.83		11.4		11.5	
	Potassium, Total	7440-09-7		mg/kg	3140		3580		2380		3430		3180		1870		2640		3200	
	Selenium, Total	7782-49-2	3.9	mg/kg	0.269	J	1.8	U	1.83	U	ND		1.97	U	1.67	U	1.66	U	1.66	U
	Silver, Total	7440-22-4	2	mg/kg	0.898	U	0.902	U	0.917	U	ND		0.984	U	0.834	U	0.832	U	0.828	U
	Sodium, Total	7440-23-5		mg/kg	155	J	188		190		104	J	144	J	84.1	J	152	J	128	J
	Thallium, Total	7440-28-0		mg/kg	1.8	U	1.8	U	1.83	U	ND		1.97	U	1.67	U	1.66	U	1.66	U
	Vanadium, Total	7440-62-2		mg/kg	20.2		24.3		17.7		25.1		20.5		13.2		17.5		20.4	
	Zinc, Total	7440-66-6	109	mg/kg	22.2		36.1		19.9		30.3		26.9		16.4		32		24.3	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - TAL Metals
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-A7		RA-A8	
	SAMPLING DATE				3/6/2020		3/6/2020	
	LAB SAMPLE ID				L2010273-06		L2010273-05	
	SAMPLE TYPE				SOIL		SOIL	
	SAMPLE DEPTH (ft.) Estimated				21		21	
		CasNum	NY-UNRES	Units	Results	Qual	Results	Qual
Total Metals								
	Aluminum, Total	7429-90-5		mg/kg	6120		5850	
	Antimony, Total	7440-36-0		mg/kg	4.1	U	4.2	U
	Arsenic, Total	7440-38-2	13	mg/kg	1.1		1.27	
	Barium, Total	7440-39-3	350	mg/kg	63.2		58.3	
	Beryllium, Total	7440-41-7	7.2	mg/kg	0.41	U	0.42	U
	Cadmium, Total	7440-43-9	2.5	mg/kg	0.172	J	0.168	J
	Calcium, Total	7440-70-2		mg/kg	4540		3850	
	Chromium, Total	7440-47-3		mg/kg	17.4		15.2	
	Cobalt, Total	7440-48-4		mg/kg	7.75		7.39	
	Copper, Total	7440-50-8	50	mg/kg	12.2		11.7	
	Iron, Total	7439-89-6		mg/kg	11500		10400	
	Lead, Total	7439-92-1	63	mg/kg	7.05		7.14	
	Magnesium, Total	7439-95-4		mg/kg	4500		3900	
	Manganese, Total	7439-96-5	1600	mg/kg	150		188	
	Mercury, Total	7439-97-6	0.18	mg/kg	0.069	U	0.068	U
	Nickel, Total	7440-02-0	30	mg/kg	12.5		11.6	
	Potassium, Total	7440-09-7		mg/kg	3280		2830	
	Selenium, Total	7782-49-2	3.9	mg/kg	1.64	U	1.68	U
	Silver, Total	7440-22-4	2	mg/kg	0.82	U	0.84	U
	Sodium, Total	7440-23-5		mg/kg	128	J	109	J
	Thallium, Total	7440-28-0		mg/kg	1.64	U	1.68	U
	Vanadium, Total	7440-62-2		mg/kg	22		19.8	
	Zinc, Total	7440-66-6	109	mg/kg	27.5		27.4	

* Comparison is not performed on parameters with non-numeric cri
NJ - Presumptive evidence of compound. This represents an estim
U - Not detected at the reported detection limit for the sample.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted us

Summary of Remedial End-Point Samples Results - Pesticides
Cottage - Garden Auto Repair
New Rochelle, New York

	LOCATION				RA-24	
	SAMPLING DATE				2/17/2020	
	LAB SAMPLE ID				L2007067-01	
	SAMPLE TYPE				SOIL	
	SAMPLE DEPTH (ft.) Estimated				14	
		CasNum	NY-UNRES	Units	Results	Qual
Organochlorine Pesticides by GC						
	Delta-BHC	319-86-8	0.04	mg/kg	0.00169	U
	Lindane	58-89-9	0.1	mg/kg	0.000704	U
	Alpha-BHC	319-84-6	0.02	mg/kg	0.000704	U
	Beta-BHC	319-85-7	0.036	mg/kg	0.00169	U
	Heptachlor	76-44-8	0.042	mg/kg	0.000845	U
	Aldrin	309-00-2	0.005	mg/kg	0.00169	U
	Heptachlor epoxide	1024-57-3		mg/kg	0.00317	U
	Endrin	72-20-8	0.014	mg/kg	0.000704	U
	Endrin aldehyde	7421-93-4		mg/kg	0.00211	U
	Endrin ketone	53494-70-5		mg/kg	0.00169	U
	Dieldrin	60-57-1	0.005	mg/kg	0.00106	U
	4,4'-DDE	72-55-9	0.0033	mg/kg	0.00169	U
	4,4'-DDD	72-54-8	0.0033	mg/kg	0.00169	U
	4,4'-DDT	50-29-3	0.0033	mg/kg	0.00317	U
	Endosulfan I	959-98-8	2.4	mg/kg	0.00169	U
	Endosulfan II	33213-65-9	2.4	mg/kg	0.00169	U
	Endosulfan sulfate	1031-07-8	2.4	mg/kg	0.000704	U
	Methoxychlor	72-43-5		mg/kg	0.00317	U
	Toxaphene	8001-35-2		mg/kg	0.0317	U
	cis-Chlordane	5103-71-9	0.094	mg/kg	0.00211	U
	trans-Chlordane	5103-74-2		mg/kg	0.00211	U
	Chlordane	57-74-9		mg/kg	0.0141	U

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

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.

U - Not detected at the reported detection limit for the sample.

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

Table 2 - Summary of Groundwater Sample Results - VOCs
Cottage - Garden Auto Repair Site
New Rochelle, NY

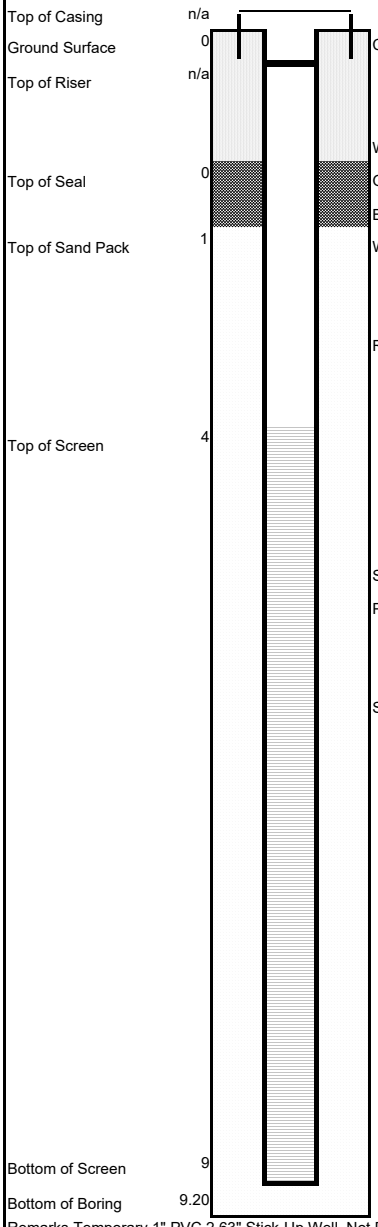
LOCATION				MW-1		MW-1		MW-1		MW-2		MW-2		MW-3		MW-3		MW-4		MW-4		MW-5		MW-5	
SAMPLING DATE				5/19/2019		1/9/2020		3/19/2020		5/19/2019		3/19/2020		5/17/2019		3/19/2020		5/16/2019		3/19/2020		5/16/2019		3/17/2020	
LAB SAMPLE ID				460-182234-1		460-200541-1		L2012566-01		460-182234-2		L2012566-02		460-182295-1		L2012566-03		460-182225-3		L2012566-04		460-182225-1		L2012030-01	
SAMPLE TYPE				Water		Water		WATER		Water		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Ethylbenzene	100-41-4	5	ug/l	0.30	U	0.3	U	2.5	U	0.30	U	2.5	U	0.3	U	2.5	U	0.3	U	2.5	U	0.3	U	2.5	U
Styrene	100-42-5	5	ug/l	0.42	U	0.42	U	2.5	U	0.42	U	2.5	U	0.42	U	2.5	U	0.42	U	2.5	U	0.42	U	2.5	U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	0.46	U	0.22	U	0.5	U	0.46	U	0.5	U	0.46	U	0.5	U	0.46	U	0.5	U	0.46	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	0.49	U	0.49	U	0.5	U	0.49	U	0.5	U	0.49	U	0.5	U	0.49	U	0.5	U	0.49	U	0.5	U
n-Propylbenzene	103-65-1	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
n-Butylbenzene	104-51-8	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
p-Diethylbenzene	105-05-5		ug/l	NA		NA		2	U	NA		2	U	NA		2	U	NA		2	U	NA		2	U
p-Chlorotoluene	106-43-4	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA	U	2.5	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	0.76	U	0.33	U	2.5	U	0.76	U	2.5	U	0.76	U	2.5	U	0.76	U	2.5	U	0.76	U	2.5	U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	0.0010	U	0.5	U	2	U	0.0010	U	2	U	0.001	U	2	U	0.001	U	2	U	0.001	U	2	U
1,2-Dichloroethane	107-06-2	0.6	ug/l	0.43	U	0.43	U	0.5	U	0.43	U	0.5	U	0.43	U	0.5	U	0.43	U	0.5	U	0.43	U	0.5	U
Acrylonitrile	107-13-1	5	ug/l	NA		NA		5	U	NA		5	U	NA		5	U	NA		5	U	NA		5	U
Vinyl acetate	108-05-4		ug/l	NA		NA		5	U	NA		5	U	NA		5	U	NA		5	U	NA		5	U
4-Methyl-2-pentanone	108-10-1		ug/l	2.7	U	1.3	U	5	U	2.7	U	5	U	2.7	U	5	U	2.7	U	5	U	2.7	U	5	U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
Bromobenzene	108-86-1	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
Toluene	108-88-3	5	ug/l	0.38	U	0.38	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U
Chlorobenzene	108-90-7	5	ug/l	0.38	U	0.38 U	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U	0.38	U	2.5	U
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	0.37	U	0.37 U	U	2.5	U	0.37	U	2.5	U	0.37	U	2.5	U	0.37	U	2.5	U	0.37	U	2.5	U
1,4-Dioxane	123-91-1		ug/l	NA		NA		250	U	NA		250	U	NA		250	U	NA		250	U	NA		250	U
Dibromochloromethane	124-48-1	50	ug/l	0.28	U	0.28 U	U	0.5	U	0.28	U	0.5	U	0.34	U	0.5	U	0.28	U	0.5	U	0.28	U	0.5	U
Tetrachloroethene	127-18-4	5	ug/l	0.25	U	0.25 U	U	0.5	U	0.25	U	**2.6**		**0.89**	**J**	0.5	U	**1.3**		**0.91**		**0.51**	**J**	**0.71**	
Xylenes, Total	1330-20-7		ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
sec-Butylbenzene	135-98-8	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
1,3-Dichloropropane	142-28-9	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	0.22	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	0.22	U	0.22	U	2.5	U	0.22	U	2.5	U	**0.26**	**J**	2.5	U	0.22	U	2.5	U	0.24	U	**4.6**	
trans-1,2-Dichloroethene	156-60-5	5	ug/l	0.24	U	0.24	U	2.5	U	0.24	U	2.5	U	0.24	U	2.5	U	0.24	U	2.5	U	0.47	U	2.5	U
Methyl tert butyl ether	1634-04-4	10	ug/l	0.47	U	0.47	U	2.5	U	0.47	U	2.5	U	0.47	U	**8**		**29**		**18**		0.3	U	2.5	U
p/m-Xylene	179601-23-1	5	ug/l	0.30	U	0.3	U	2.5	U	0.30	U	2.5	U	0.3	U	2.5	U	0.3	U	2.5	U	NA		2.5	U
1,2-Dichloroethene, Total	540-59-0		ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	0.34	U	**4.6**	
1,3-Dichlorobenzene	541-73-1	3	ug/l	0.34	U	0.34	U	2.5	U	0.34	U	2.5	U	0.43	U	2.5	U	0.34	U	2.5	U	NA		2.5	U
1,3-Dichloropropene, Total	542-75-6		ug/l	NA		NA		0.5	U	NA		0.5	U	NA		0.5	U	NA		0.5	U	0.21	U	0.5	U
Carbon tetrachloride	56-23-5	5	ug/l	0.21	U	0.21	U	0.5	U	0.21	U	0.5	U	0.21	U	0.5	U	0.21	U	0.5	U	NA		0.5	U
1,1-Dichloropropene	563-58-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	2.9	U	2.5	U
2-Hexanone	591-78-6	50	ug/l	2.9	U	1.1	U	5	U	2.9	U	5	U	2.9	U	5	U	2.9	U	5	U	NA		5	U
2,2-Dichloropropane	594-20-7	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
Ethyl ether	60-29-7		ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
p-Ethyltoluene	622-96-8		ug/l	NA		NA		2	U	NA		2	U	NA		2	U	NA		2	U	NA		2	U
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U	NA		2.5	U
Acetone	67-64-1	50	ug/l	5.0	U	4.4	U	**10**		5.0	U	**2.6**	**J**	5	U	**2**	**J**	5	U	5	U	**25**		**4.8**	**J**
Chloroform	67-66-3	7	ug/l	0.33	U	**6.3**		**6.6**		0.33	U	**1.9**	**J**	**0.38**	**J**	2.5	U	0.33	U	2.5	U	0.33	U	2.5	U
Benzene	71-43-2	1	ug/l	0.43	U	0.2	U	**1.4**		0.43	U	0.5	U	**1.1**		0.5	U	0.43	U	0.5	U	0.43	U	**0.38**	**J**
1,1,1-Trichloroethane	71-55-6	5	ug/l	0.24	U	0.24	U	2.5	U	0.24	U	2.5	U	0.24	U	2.5	U	0.24	U	2.5	U	0.24	U	2.5	U
Bromomethane	74-83-9	5	ug/l	1.0	U	0.55	U	**0.72**	**J**	1.0	U	**1.3**	**J**	1	U	**0.74**	**J**	1	U	**0.96**	**J**	1	U	2.5	U
Chloromethane	74-87-3		ug/l	0.14	U	0.4	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U
Dibromomethane	74-95-3	5	ug/l	NA		NA		5	U	NA		5	U	NA		5	U	NA		5	U	NA		5	U
Bromochloromethane	74-97-5	5	ug/l	0.41	U	0.41	U	2.5	U	0.41	U	2.5	U	0.41	U	2.5	U	0.41	U	2.5	U	0.41	U	2.5	U
Chloroethane	75-00-3	5	ug/l	0.32	U	0.32	U	2.5	U	0.32	U	2.5	U	**0.38**	**J**	2.5	U	0.32	U	2.5	U	0.32	U	2.5	U
Vinyl chloride	75-01-4	2	ug/l	0.17	U	0.17	U	**0.23**	**J**	0.17	U	1	U	0.17	U	1	U	0.17	U	1	U	0.17	U	1	U
Methylene chloride	75-09-2	5	ug/l	0.32	U	0.32	U	2.5	U	0.32	U	2.5	U	0.32	U	2.5	U	0.32	U	2.5	U	**5.4**		2.5	U
Carbon disulfide	75-15-0	60	ug/l	0.16	U	0.82	U	5	U	0.16	U	5	U	**0.39**	**J**	5	U	0.16	U	5	U	0.16	U	5	U
Bromoform	75-25-2	50	ug/l	0.17	U	0.54	U	2	U	0.54	U	2	U	0.54	U	2	U	0.54	U	2	U	0.54	U	2	U
Bromodichloromethane	75-27-4	50	ug/l	0.34	U	**0.5**	**J**	0.5	U	0.34	U	0.5	U	0.34	U	0.5	U	0.34	U	0.5	U	0.34	U	0.5	U
1,1-Dichloroethane	75-34-3	5	ug/l	0.26	U	0.26	U	2.5	U	0.26	U	2.5	U	0.26	U	2.5	U	0.26	U	2.5	U	0.26	U	2.5	U
1,1-Dichloroethene	75-35-4	5	ug/l	0.12	U	0.26	U	0.5	U	0.12	U	0.5	U	0.12	U	0.5	U	0.12	U	0.5	U	0.12	U	**0.18**	**J**
Trichlorofluoromethane	75-69-4	5	ug/l	0.14	U	0.32	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U	0.14	U	2.5	U
Dichlorodifluoromethane	75-71-8	5	ug/l	0.12	U	0.31	U	5	U	0.12	U	5	U	0.12	U	5	U	0.12	U	5	U	0.12	U	5	U
1,2-Dichloropropane	78-87-5	1	ug/l	0.35	U	0.35	U	**2.7**		0.35	U	1	U	0.35	U	1	U	0.35	U	1	U	0.35	U	1	U
2-Butanone	78-93-3	50	ug/l	1.9	U	1.9	U	5	U	1.9	U	5	U	**2.6**	**J**	5	U	1.9	U	5	U	1.9	U	5	U
1,1,2-Trichloroethane	79-00-5	1	ug/l	0.43	U	0.43	U	1.5	U	0.43	U	1.5	U	0.43	U	1.5	U	**1.3**		1.5	U	0.43	U	1.5	U
Trichloroethene	79-01-6	5	ug/l	0.31	U	0.31	U	**1.5**		0.31	U	**5.3**		**9.8**		**4**		**8.8**		**7.8**		**0.75**	**J**	**42**	
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	0.37	U	0.37	U	0.5	U	0.37	U	0.5	U	0.37	U	0.5	U	0.37	U	0.5	U	0.37	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	0.36	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U
Hexachlorobutadiene	87-68-3	0.5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
Naphthalene	91-20-3	10	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
o-Xylene	95-47-6	5	ug/l	0.36	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U	0.36	U	2.5	U
o-Chlorotoluene	95-49-8	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	NA		NA		2.5	U	NA		2.5	U	0.4	U	2.5	U	0.4	U	2.5	U	0.43	U	2.5	U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	NA		NA		2	U	NA		2	U	NA	U	2	U	NA		2	U	NA		2	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	0.0040	U	0.38	U	2.5	U	0.0040	U	2.5	U	0.004	U	2.5	U	0.004	U	2.5	U	0.004	U	2.5	U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
tert-Butylbenzene	98-06-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U
Isopropylbenzene	98-82-8	5	ug/l	0.34	U	0.34	U	2.5	U	0.34	U	2.5	U	0.34	U	2.5	U	0.34	U	2.5	U	0.34	U	2.5	U
p-Isopropyltoluene	99-87-6	5	ug/l	NA		NA		2.5	U	NA		2.5	U	NA	U	2.5	U	NA		2.5	U	NA		2.5	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
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.
U - Not detected at the reported detection limit for the sample.
Highlighted Cell Exceeds AWQS
Bold = Detection

APPENDIX C
MONITORING WELL CONSTRUCTION LOGS

SESI CONSULTING ENGINEERS	PROJECT NAME:	Cottage-Garden Auto BCP	MONITORING WELL NO.	**MW-1**
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York	JOB NO.	10491
			GROUND ELEVATION:	Approx 80.0'

BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	3.2



Remarks Temporary 1" PVC 2.63" Stick-Up Well, Not Developed

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Installed by Direct-Push Method, No Soils Extracted	
	5								
	10							Complete at 9.20 Feet	
	15								
	20								
	25								
	30								
	35								
	40								

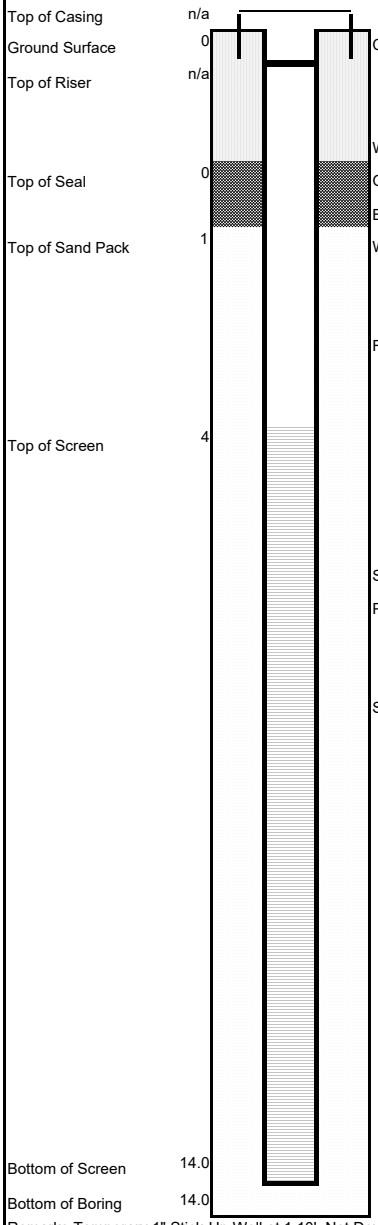
Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE #

SESI CONSULTING ENGINEERS	PROJECT NAME:	Cottage-Garden Auto BCP	MONITORING WELL NO.	**MW-2**
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York	JOB NO.	10491
			GROUND ELEVATION:	Approx 80.0'

BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.26



Remarks Temporary 1" Stick-Up Well at 1.10', Not Developed

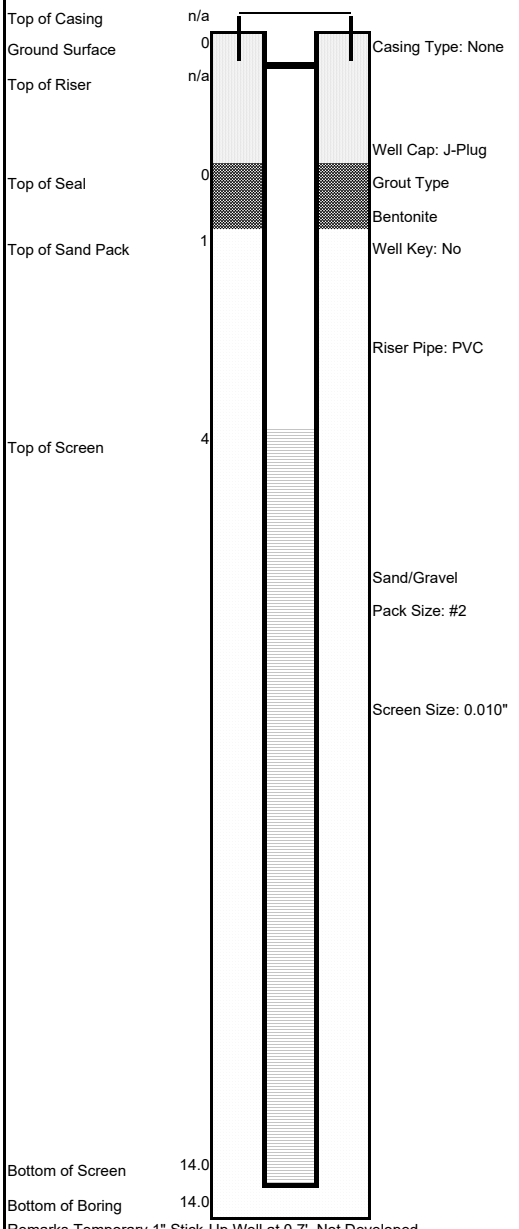
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Installed by Direct-Push Method, No Soils Extracted	
	5								
	10								
	15							Complete at 14.0'	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Cottage-Garden Auto BCP				MONITORING WELL NO.	MW-3
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York				JOB NO.	10491
						GROUND ELEVATION:	Approx 80.0'
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD		N/A	INSIDE CASING DIAMETER (in)	1
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD		N/A	BOREHOLE DIAMETER (in)	1
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE		N/A	INITIAL WATER LEVEL (ft):	2.14

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Installed by Direct-Push Method, No Soils Extracted	
	5								
	10								
	15							Complete at 14.0'	
	20								
	25								
	30								
	35								
	40								



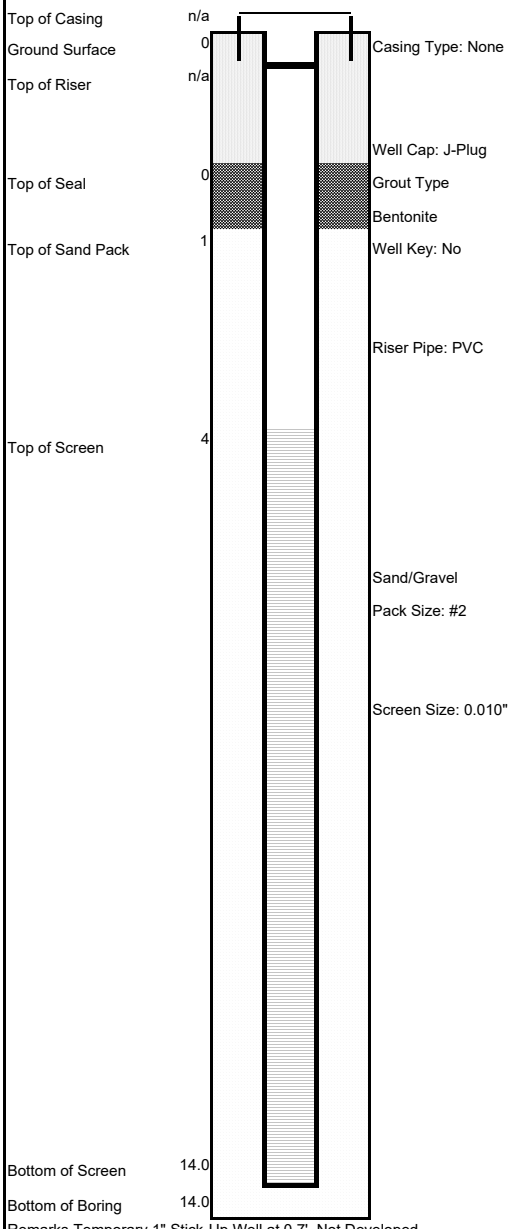
Remarks Temporary 1" Stick-Up Well at 0.7', Not Developed

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Cottage-Garden Auto BCP				MONITORING WELL NO.	**MW-4**
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York				JOB NO.	10491
						GROUND ELEVATION:	Approx 80.0'
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD		N/A	INSIDE CASING DIAMETER (in)	1
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD		N/A	BOREHOLE DIAMETER (in)	1
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE		N/A	INITIAL WATER LEVEL (ft):	2.48

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Installed by Direct-Push Method, No Soils Extracted	
	5								
	10								
	15							Complete at 14.0'	
	20								
	25								
	30								
	35								
	40								



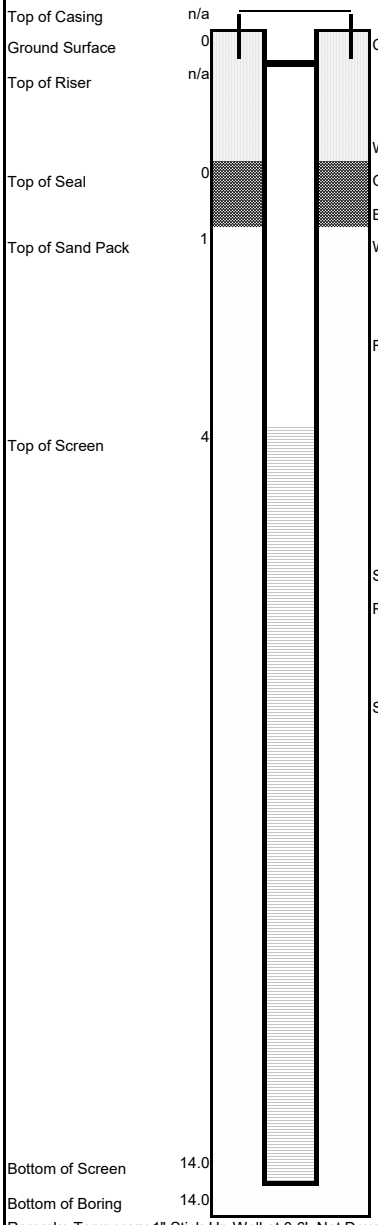
Remarks Temporary 1" Stick-Up Well at 0.7', Not Developed

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Cottage-Garden Auto BCP	MONITORING WELL NO.	**MW-5**
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York	JOB NO.	10491
			GROUND ELEVATION:	Approx 80.0'

BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.63



Remarks Temporary 1" Stick-Up Well at 0.6', Not Developed

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Installed by Direct-Push Method, No Soils Extracted	
	5								
	10								
	15							Complete at 14.0'	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

APPENDIX D
MONITORING WELL PURGING AND SAMPLING LOGS

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Cottage-Garden Auto Repair BCP**			**Job Number:**	**10491**	**WELL I.D. : MW-1**			
Personnel:	**J. Lamborn**			**Date:**	**3/19/2020**	SESI CONSULTING ENGINEERS			
				PID:	**0 ppm**				
Stickup? Yes (Temp Well) Distance ground to Stickup Rim/PVC	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
2.63'	**n/a**	**9.2**	**n/a**	**3.2**	**6**	**-**	**-**	**-**	**Peristaltic**
Turbidity at collection (NTU):		**0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? No**			**Filtered Sample No**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1400	**Purge to Bucket - No Readings**							
	1405	**Purge to Bucket - No Readings**							
	1410	**Purge to Bucket - No Readings**							
	1415	**Purge to Bucket - No Readings**							
	1420	**12.24**	**7.6**	**562**	**1.54**	**-10**	**0**	**7.67**	**N**
	1425	**12.26**	**7.61**	**568**	**6.15**	**8**	**0**	**8.12**	**N**
	1430	**12.14**	**7.63**	**568**	**5.71**	**10**	**0**	**8.83**	**N**
1.5 gallon	**1435**	**12.16**	**7.65**	**578**	**5.34**	**18**	**0**	**8.95**	**N**
Well Condition Summary									
Cover: Y / N		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**14:35**	**Appearance: Clear**		**Filtered Sample Turbidity: n/a**			**OTHER: Poor recharge rate, flow rate less than 100 mL/min**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Cottage-Garden Auto Repair BCP			Job Number:	10491	WELL I.D. : MW-2			
Personnel:	J. Lamborn			Date:	3/19/2020	SESI CONSULTING ENGINEERS			
				PID:	0 ppm				
Stickup? Yes (Temp Well) Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
1.1	n/a	15.2	n/a	2.01	13.19	-	-	-	Peristaltic
Turbidity at collection (NTU):		117	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample No	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1041	Purge to Bucket - No Readings							
	1046	9.74	7.48	796	0.37	-72	0	3.21	N
	1051	10.43	7.8	779	3.36	-82	0	5.32	N
	1056	10.94	7.84	788	5.41	-76	538	7.71	N
	1101	11.17	7.76	772	5.42	-52	197	7.99	N
	1106	11.38	7.67	758	4.97	-48	132	8.44	N
	1111	11.56	7.61	750	4.67	-47	122	8.69	N
3.5 gallon	1116	11.82	7.58	747	4.34	-46	117	8.78	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	11:16	Appearance: Light Brown/Turbid		Filtered Sample Turbidity: n/a			OTHER: Poor recharge rate, flow rate 100 mL/min		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Cottage-Garden Auto Repair BCP**			**Job Number:**	**10491**	**WELL I.D. : MW-3**			
Personnel:	**J. Lamborn**			**Date:**	**3/19/2020**	SESI CONSULTING ENGINEERS			
				PID:	**0 ppm**				
Stickup? Yes (Temp Well) Distance ground to Stickup Rim/PVC	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
0.7	**n/a**	**14.98**	**n/a**	**2.11**	**12.87**	**-**	**-**	**-**	**Peristaltic**
Turbidity at collection (NTU):		**Unknown, High**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? YES**			**Filtered Sample No**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1210	**Purge to Bucket - No Readings**							
	1215	**13.73**	**7.52**	**1690**	**0**	**-134**	**1000+**	**7.36**	**N**
	1220	**14.74**	**7.57**	**1670**	**0**	**-177**	**0**	**11.89**	**N**
	1225	**Water drawdown too fast. Turbid water encountered, slowed pump rate**							
	1230	**14.38**	**7.44**	**1760**	**0.72**	**-186**	**513**	**8.7**	**N**
	1235	**14.34**	**7.41**	**1770**	**0.53**	**-163**	**0**	**9.73**	**N**
	1240	**14.62**	**7.41**	**1774**	**0.77**	**-145**	**0**	**9.99**	**N**
	1245	**14.74**	**7.39**	**1700**	**1.38**	**-118**	**0**	**10.57**	**N**
	1250	**14.85**	**7.39**	**1700**	**1.26**	**-127**	**0**	**11.03**	**N**
3.5 gallon	**1255**	**14.98**	**7.39**	**1700**	**1.19**	**-135**	**0**	**11.35**	**N**
Well Condition Summary									
Cover: Y / N		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**13:00**	**Appearance: Brown/Turbid**		**Filtered Sample Turbidity: n/a**			**OTHER: Sample Turbid. Poor recharge rate, flow rate 100 mL/min**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Cottage-Garden Auto Repair BCP			Job Number:	10491	WELL I.D. : MW-4			
Personnel:	J. Lamborn			Date:	3/19/2020	SESI CONSULTING ENGINEERS			
				PID:	0 ppm				
Stickup? Yes (Temp Well) Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
0.7	n/a	14.92	n/a	2.45	12.47	-	-	-	Peristaltic
Turbidity at collection (NTU):		70.1	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample No	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	900	Purge to Bucket - No Readings							
	910	11.14	7.26	2650	2.25	92	591	2.43	N
	915	12.14	7.16	2470	1.25	-28	320	2.45	N
	920	13.07	7.15	2360	1.05	30	137	2.46	N
	925	13.17	7.14	2320	0.95	-30	79	2.47	N
	930	13.22	7.14	2300	0.86	-32	71.8	2.47	N
4.5 gallon	935	13.23	7.14	2290	0.79	-32	70.1	2.48	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	9:35	Appearance: Light Brown	Filtered Sample Turbidity: n/a	OTHER: Great recharge rate, flow rate 400 mL/min

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Cottage-Garden Auto Repair BCP			Job Number:	10491	WELL I.D. : MW-5			
Personnel:	J. Lamborn			Date:	3/18/2020	SESI CONSULTING ENGINEERS			
				PID:	0 ppm				
Stickup? Yes (Temp Well) Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
0.6	n/a	14.98	n/a	2.49	12.49	-	-	-	Peristaltic
Turbidity at collection (NTU):		51.3	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample No	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1357	Purge to Bucket - No Readings							
	1402	13.71	8.03	1790	3.3	-46	291	4.32	N
	1407	14.42	8.07	1720	3.02	-50	169	5.83	N
	1412	14.21	8.07	1740	3.78	-44	117	6.82	N
	1417	14.39	8.02	1790	4.1	-50	83.9	7.54	N
	1422	14.46	7.98	1830	5.16	-39	60	8.33	N
	1427	14.49	7.98	1850	5.66	-35	55.1	9.01	N
1.5 gallon	1432	14.49	7.97	1860	5.9	-29	51.3	9.25	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	14:32	Appearance: Clear		Filtered Sample Turbidity: n/a			OTHER: Poor recharge rate, flow rate 100 mL/min		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

APPENDIX E
SAFTEY DATA SHEETS

REGENESIS

Technology-Based Solutions for the Environment

SAFETY DATA SHEET

1. Identification

Product identifier **PersulfOx®**

Other means of identification None.

Recommended use Soil and Groundwater Remediation.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673

Telephone 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number CHEMTREC® at 1-800-424-9300 (International)

2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Precautionary statement

Prevention Keep away from heat. Keep/Store away from clothing and other combustible materials. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

Response If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic Acid, sodium salt, sodium silicate	1344-09-8	≤10
Sodium Persulfate	7775-27-1	≥90

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Take off all contaminated clothing immediately. Contact with combustible material may cause fire. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water spray, fog (flooding amounts).

Unsuitable extinguishing media Do not use water unless flooding amounts are available. Material reacts with water. Do not use carbon dioxide or other gas filled fire extinguishers; they will have no effect on decomposing persulfates.

Specific hazards arising from the chemical Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. Combustion products may include: sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Specific methods Cool containers exposed to flames with water until well after the fire is out. Avoid dust formation.

General fire hazards May intensify fire; oxidizer. Contact with combustible material may cause fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Stop the flow of material, if this is without risk. Spillage collected should be monitored for signs of reaction or decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water.

Large Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Minimize dust generation and accumulation. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Place all material into loosely covered plastic containers for later disposal. For waste disposal, see section 13 of the SDS. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid contamination. Wear appropriate personal protective equipment (See Section 8). Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS). Recommended storage temperature: less than 40°C.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium Persulfate (CAS 7775-27-1)	TWA	0.1 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use dust-tight, unvented chemical safety goggles when there is potential for eye contact.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Frequent change is advisable. Rubber, neoprene or PVC gloves are recommended.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Respirator type: approved respirator with P100 filters.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Free-flowing powder
Color	White.
Odor	Odorless.
Odor threshold	Not available.
pH	11.5 (10% suspension/water) (10 % solution, 77 °F (25 °C))
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Oxidizer.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.5 - 1.8 (68 °F (20 °C))

Solubility(ies)

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposition will occur upon heating.
Viscosity	Not available.

Other information

Flammability	Non-combustible.

10. Stability and reactivity

Reactivity	Greatly increases the burning rate of combustible materials.
Chemical stability	Decomposes on heating.
Possibility of hazardous reactions	Oxidizing, avoid contact with reducing agents.
Conditions to avoid	Heat. Contact with incompatible materials. Avoid dust formation.
Incompatible materials	Acids. Bases. Combustible material. Reducing agents. Metals. Organic compounds.
Hazardous decomposition products	Oxygen. Sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Dust may irritate respiratory system.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful if swallowed. May cause allergic respiratory and skin reactions. May cause respiratory irritation.

Components	Species	Test Results
Silicic Acid, sodium salt, sodium silicate (CAS 1344-09-8)		
Acute		
Oral		
LD50	Rat	1280 mg/kg
Sodium Persulfate (CAS 7775-27-1)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
LC50	Rat	> 5.1 mg/l, 4 Hours
Oral		
LD50	Rat	895 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure May cause respiratory irritation.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Silicic Acid, sodium salt, sodium silicate (CAS 1344-09-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	247 mg/l, 4.2 days
Sodium Persulfate (CAS 7775-27-1)			
Aquatic			
Crustacea	EC50	Daphnia	133 mg/l, 48 hours
Fish		Bluegill (Lepomis macrochirus)	771 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Label(s)	5.1
Packing group	III
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	62, IB8, IP3, T1, TP33
Packaging exceptions	152
Packaging non bulk	213
Packaging bulk	240

IATA

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	No
ERG Code	5L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1479
UN proper shipping name	OXIDIZING SOLID, N.O.S. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-Q
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - Yes

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Sodium Persulfate (CAS 7775-27-1)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	12-February-2015
Revision date	02-April-2015
Version #	02
Further information	HMIS® is a registered trade and service mark of the American Coatings Association (ACA).
HMIS® ratings	Health: 2* Flammability: 0 Physical hazard: 1
NFPA ratings	
Disclaimer	Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

APPENDIX F

USEPA LETTER AND UIC FORM

SESI
CONSULTING
ENGINEERS

Geotechnical
Foundations
Land Planning
Geo-Structural
Environmental
Water Resources

Principals:

Steven P. Byszewski, PE, PP
Anthony Castillo, PE
Fuad Dahan, PhD, PE, LSRP
John M. Nederfield, PE
Justin M. Protasiewicz, PE
Kenneth Quazza, PE
Michael St. Pierre, PE

April 22, 2020

Ms. Christine Ash
United States Environmental Protection Agency
290 Broadway, 24th Floor
New York, New York 10007-1866

Re: In Situ Chemical Oxidation Injection
30 Garden Street and 16 Cottage Place
New Rochelle, New York

Dear Ms. Ash:

SESI Consulting Engineers, DPC (SESI), on behalf of The Mark 95 LLC & The Mark 95 II LLC, and MJ Garden LLC (collectively, Owners) is proposing to utilize a chemical injection program to remediate the subsurface groundwater at 30 Garden Street and 16 Cottage Place, New Rochelle, New York (the "Site"), which is part of a New York State (NYS) Brownfield Clean-up Program (BCP) site known as Cottage – Garden Auto Repair (BCP# C360180) (BCP-Site).

This letter and the enclosed application form were prepared in accordance with 40 CFR Part 144 of the United States Environmental Protection Agency's (USEPA) Underground Injection Control (UIC) program. The application form is enclosed as Attachment A.

Site Background

The Site was formerly occupied by four commercial buildings and one residential building. All the buildings have been demolished down to their foundations. The residential parcel on 16 Cottage Place was constructed as a residential single-family home in the early 1900's, with conversion to multiple apartments over the years, based on information from available records. The last business with an address of 10 – 12 Cottage Place was a retail tire and auto repair facility present on the Site for over 60 years. This portion of the Site was also a gasoline station with underground tanks abandoned in place and prior uses are unknown. Commercial businesses were also present on the Site with prior addresses of 28 Garden Street and 34 Garden Street including a kitchen and bath dealer and other warehousing purposes. 26 Garden Street housed a Plastic Works manufacturing company called Strip-A-Way of New Rochelle Inc.

Subsurface investigations conducted between May 2019 and March 2020 have identified PHC and metals impacts to soil, and VOC and PAH impacts to groundwater. From February through March 2020, the contaminated soil was excavated from the entire footprint of the Site down to a depth of 14 feet across the Site in accordance with the NYSDEC approved

Remedial Action Work Plan (December 2019). In addition, one discrete "hotspot" area was excavated to 24 feet.

Injection Material and Procedures

The remedial approach consists of injecting PersulfOx® into the top 10 feet of the saturated groundwater zone. The soil target treatment zone consists of two distinct areas: one area near the central portion of the Site defined by monitoring wells MW-2 through MW-5 (Area A), with a surface area of approximately 6,400 square ft and a second smaller area near the southeastern corner of the Site defined by monitoring well MW-1 with a surface area of approximately 300 square feet (Area B) (Figure 3.1 Attachment B.).

Based on the persulfate stoichiometric demand of the contaminants of concern and typical silty and soil oxidant demand, approximately 11,200 pounds of PersulfOx® will be injected in the target treatment zones. The PersulfOx® will be mixed at concentration of 15%, as recommended by the vendor, which will result in approximately 7,770 gallons of PersulfOx® solution. The solution will be equally distributed in the proposed injection points. The Safety Data Sheet of the product is included in Appendix C.

The in-situ treatment will consist of a linear grid of approximately 51 injection points as shown in Figure 3.1 in Area A. The points are distributed within three injection lines, with each line consisting of 17 injection points. The injection points are 7 feet on center from each other within an injection line. The injection lines are approximately 25 feet apart and run almost perpendicular to the groundwater flow direction. Area B has 4 injection points planned located as shown in Figure 3.1 along the property on Cottage Place around MW1. The distance between the injection points in Area B is 7-ft on center (Figure 3.1 Attachment B).

Data Evaluation and Reporting

Monitoring of the groundwater will be conducted monthly from the Site monitoring wells for a period of 1 year to track the groundwater treatment.

Please do not hesitate to contact me with any questions or concerns.

Sincerely,

SESI CONSULTING ENGINEERS, DPC

Fuad Dahan, PhD, PE
Principal

Attachments:
A: UIC Injection Forms
B: PersulfOx® Injection Plan
C: PersulfOx® SDS

12A Maple Avenue • Pine Brook, NJ 07058 • Phone: (973) 808-9050 • Fax: (973) 808-9099 • www.sesi.org

ATTACHMENT A

INJECTION WELL INVENTORY FORM

Type or print all information. See reverse for instructions. OMB No. 2040-0042 Approval Expires 4/30/2022

INVENTORY OF INJECTION WELLS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

(This information is collected under the authority of the Safe Drinking Water Act)

1. DATE PREPARED *(Year, Month, Day)*: 20-04-22

2. FACILITY ID NUMBER (To be completed by the permitting authority):

3. FACILITY INFORMATION

NAME, ADDRESS, PHONE NUMBER AND/OR EMAIL

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

INDIAN COUNTRY ☐ Yes ☒ No

4. LEGAL CONTACT INFORMATION

NAME, ADDRESS, ORGANIZATION, PHONE NUMBER AND/OR EMAIL

Mark Stagg
MJ Garden LLC c/o Hutch Mgmt LLC
1250 Waters Place, PH 1
Bronx, NY 10461

TYPE ☒ Owner ☐ Operator

5. LOCATIONAL INFORMATION

Surface Location

1/4 of ____ 1/4 of ____ Section ____ Township ____ Range ____

____ ft. from (N/S) ____ Line of quarter section

____ ft. from (E/W) ____ Line of quarter section.

Latitude 40.914110

Longitude -73.782870

6. WELL INFORMATION:

A. CLASS AND TYPE		B. NUMBER OF WELLS		C. TOTAL NUMBER OF WELLS	D. WELL OPERATION STATUS				
		COMM	NON-COMM		UC	AC	TA	PA	AN
V			55	55	55				

KEY: AC = Active; UC = Under Construction; TA = Temporarily Abandoned; PA = Permanently Abandoned and Approved by State; AN = Permanently Abandoned and not Approved by State

COMMENTS *(Optional)*:

The Site groundwater contains levels of VOCs that exceed the AWQSs. The concentrations are indicative of low non-source area dissolved VOC contamination which is attenuating over time. In order to enhance and accelerate the remediation of the dissolved VOCs, SESI is proposing the use of the Regenesis PersulfOx® oxidant.

Based on the persulfate stoichiometric demand of the contaminants of concern and typical silty and soil oxidant demand, approximately 11,200 pounds of PersulfOx® will be injected in the target treatment zones.

The in-situ treatment will consist of a linear grid of approximately 51 injection points as shown in Figure 3.1 in Area A. Area B has 4 injection points planned located as shown in Figure 3.1 along the property on Cottage Place around MW1.

Name and Official Title *(Please type or print)*: Fuad Dahan, SESI Consulting Engineers

Date Submitted: April 22, 2020

ATTACHMENT B

PERSULFOX INJECTION PLAN

Analyte	Units	NYSDEC AWQS	MW-2
1,1,2-Trichloroethane	ug/L	1	0.43 U
Benzene	ug/L	1	0.43 U
Methylene Chloride	ug/L	5	0.32 U
MTBE	ug/L	10	0.47 U
Trichloroethene	ug/L	5	0.31 U
Benzo[a]anthracene	ug/L	0.002	0.016 U
Aluminum	ug/L	2000	1170
Chromium	ug/L	100	4.0
Iron	ug/L	600	1680
Magnesium	ug/L	35000	34200
Manganese	ug/L	600	245
Selenium	ug/L	20	6.2 J
Sodium	ug/L	20000	39600

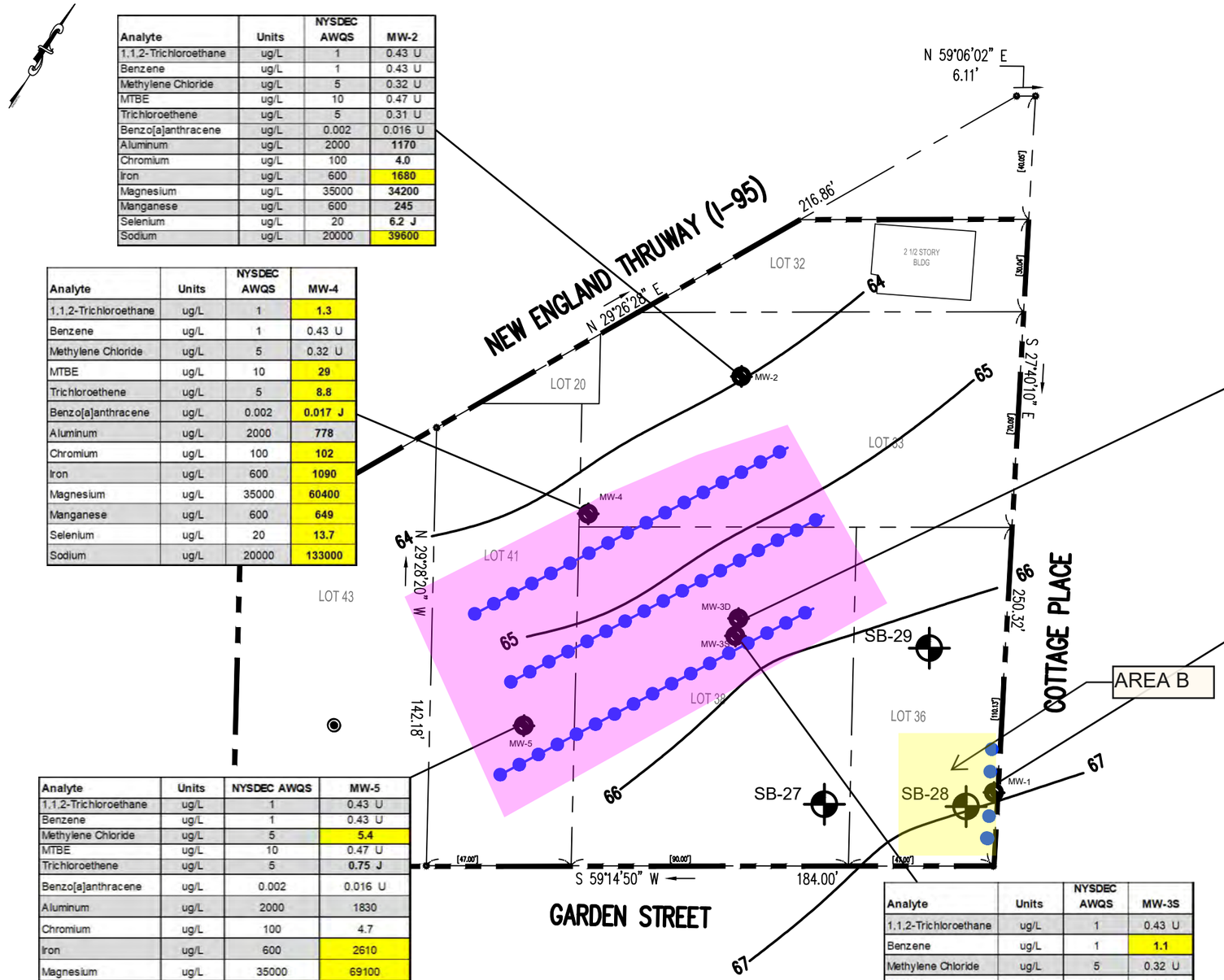
Analyte	Units	NYSDEC AWQS	MW-4
1,1,2-Trichloroethane	ug/L	1	1.3
Benzene	ug/L	1	0.43 U
Methylene Chloride	ug/L	5	0.32 U
MTBE	ug/L	10	29
Trichloroethene	ug/L	5	8.8
Benzo[a]anthracene	ug/L	0.002	0.017 J
Aluminum	ug/L	2000	778
Chromium	ug/L	100	102
Iron	ug/L	600	1090
Magnesium	ug/L	35000	60400
Manganese	ug/L	600	649
Selenium	ug/L	20	13.7
Sodium	ug/L	20000	133000

Analyte	Units	NYSDEC AWQS	MW-5
1,1,2-Trichloroethane	ug/L	1	0.43 U
Benzene	ug/L	1	0.43 U
Methylene Chloride	ug/L	5	5.4
MTBE	ug/L	10	0.47 U
Trichloroethene	ug/L	5	0.75 J
Benzo[a]anthracene	ug/L	0.002	0.016 U
Aluminum	ug/L	2000	1830
Chromium	ug/L	100	4.7
Iron	ug/L	600	2610
Magnesium	ug/L	35000	69100
Manganese	ug/L	600	372
Selenium	ug/L	20	5.4 U
Sodium	ug/L	20000	151000

Analyte	Units	NYSDEC AWQS	MW-3D
1,1,2-Trichloroethane	ug/L	1	0.43 U
Benzene	ug/L	1	0.43 U
Methylene Chloride	ug/L	5	0.32 U
MTBE	ug/L	10	5.5
Trichloroethene	ug/L	5	1.0
Benzo[a]anthracene	ug/L	0.002	0.016 U
Aluminum	ug/L	2000	1880
Chromium	ug/L	100	8.4
Iron	ug/L	600	3370
Magnesium	ug/L	35000	32400
Manganese	ug/L	600	534
Selenium	ug/L	20	5.4 U
Sodium	ug/L	20000	33100

Analyte	Units	NYSDEC AWQS	MW-1
1,1,2-Trichloroethane	ug/L	1	0.43 U
Benzene	ug/L	1	0.43 U
Methylene Chloride	ug/L	5	0.32 U
MTBE	ug/L	10	0.47 U
Trichloroethene	ug/L	5	0.31 U
Benzo[a]anthracene	ug/L	0.002	0.016 U
Aluminum	ug/L	2000	2990
Chromium	ug/L	100	8.6
Iron	ug/L	600	4450
Magnesium	ug/L	35000	62200
Manganese	ug/L	600	481
Selenium	ug/L	20	5.5 J
Sodium	ug/L	20000	94400

Analyte	Units	NYSDEC AWQS	MW-3S
1,1,2-Trichloroethane	ug/L	1	0.43 U
Benzene	ug/L	1	1.1
Methylene Chloride	ug/L	5	0.32 U
MTBE	ug/L	10	0.47 U
Trichloroethene	ug/L	5	9.8
Benzo[a]anthracene	ug/L	0.002	0.016 U
Aluminum	ug/L	2000	3280
Chromium	ug/L	100	10.6
Iron	ug/L	600	4710
Magnesium	ug/L	35000	173000
Manganese	ug/L	600	1380
Selenium	ug/L	20	6.6 J
Sodium	ug/L	20000	203000



LEGEND:

- PROPERTY BOUNDARY
- MW-1 - GROUNDWATER MONITORING WELL
- BCP SITE BOUNDARY
- 4450 - EXCEEDs NYSDEC AWQS
- 67 —— 67 - GROUNDWATER CONTOUR (JUNE, 2019)
- INJECTION POINT

SCALE: 1"=40'

0 40 80

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

N:\ACAD\10491\INJECTION WORK PLAN\10491 FIG-2 GW TREATMENT PLAN.DWG 04/21/20 02:22:07PM, jenny, LAYOUT:FIG-3.1

dwg by: yy
chk by: JS
scale: 1" = 40
date: 04/21/2020

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

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

drawing title: GROUNDWATER TREATMENT INJECTION PLAN

job no: 10491
drawing no:

FIG-3.1

ATTACHMENT C

PERSULFOX SAFETY DATA SHEETS

REGENESIS
Technology-Based Solutions for the Environment

SAFETY DATA SHEET

1. Identification

Product identifier	**PersulfOx®**
Other means of identification	None.
Recommended use	Soil and Groundwater Remediation.
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name	Regenesis
Address	1011 Calle Sombra San Clemente, CA 92673
Telephone	949-366-8000
E-mail	CustomerService@regenesis.com
Emergency phone number	CHEMTREC® at 1-800-424-9300 (International)

2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Precautionary statement

Prevention Keep away from heat. Keep/Store away from clothing and other combustible materials. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

Response If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic Acid, sodium salt, sodium silicate	1344-09-8	≤10
Sodium Persulfate	7775-27-1	≥90

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Take off all contaminated clothing immediately. Contact with combustible material may cause fire. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water spray, fog (flooding amounts).

Unsuitable extinguishing media Do not use water unless flooding amounts are available. Material reacts with water. Do not use carbon dioxide or other gas filled fire extinguishers; they will have no effect on decomposing persulfates.

Specific hazards arising from the chemical Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. Combustion products may include: sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Specific methods Cool containers exposed to flames with water until well after the fire is out. Avoid dust formation.

General fire hazards May intensify fire; oxidizer. Contact with combustible material may cause fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Stop the flow of material, if this is without risk. Spillage collected should be monitored for signs of reaction or decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water.

Large Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Minimize dust generation and accumulation. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Place all material into loosely covered plastic containers for later disposal. For waste disposal, see section 13 of the SDS. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid contamination. Wear appropriate personal protective equipment (See Section 8). Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS). Recommended storage temperature: less than 40°C.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium Persulfate (CAS 7775-27-1)	TWA	0.1 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use dust-tight, unvented chemical safety goggles when there is potential for eye contact.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Frequent change is advisable. Rubber, neoprene or PVC gloves are recommended.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Respirator type: approved respirator with P100 filters.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Free-flowing powder
Color	White.
Odor	Odorless.
Odor threshold	Not available.
pH	11.5 (10% suspension/water) (10 % solution, 77 °F (25 °C))
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Oxidizer.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.5 - 1.8 (68 °F (20 °C))

Solubility(ies)

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposition will occur upon heating.
Viscosity	Not available.

Other information

Flammability	Non-combustible.

10. Stability and reactivity

Reactivity	Greatly increases the burning rate of combustible materials.
Chemical stability	Decomposes on heating.
Possibility of hazardous reactions	Oxidizing, avoid contact with reducing agents.
Conditions to avoid	Heat. Contact with incompatible materials. Avoid dust formation.
Incompatible materials	Acids. Bases. Combustible material. Reducing agents. Metals. Organic compounds.
Hazardous decomposition products	Oxygen. Sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Dust may irritate respiratory system.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful if swallowed. May cause allergic respiratory and skin reactions. May cause respiratory irritation.

Components	Species	Test Results
Silicic Acid, sodium salt, sodium silicate (CAS 1344-09-8)		
Acute		
Oral		
LD50	Rat	1280 mg/kg
Sodium Persulfate (CAS 7775-27-1)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
LC50	Rat	> 5.1 mg/l, 4 Hours
Oral		
LD50	Rat	895 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure May cause respiratory irritation.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Silicic Acid, sodium salt, sodium silicate (CAS 1344-09-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	247 mg/l, 4.2 days
Sodium Persulfate (CAS 7775-27-1)			
Aquatic			
Crustacea	EC50	Daphnia	133 mg/l, 48 hours
Fish		Bluegill (Lepomis macrochirus)	771 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Label(s)	5.1
Packing group	III
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	62, IB8, IP3, T1, TP33
Packaging exceptions	152
Packaging non bulk	213
Packaging bulk	240

IATA

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	No
ERG Code	5L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1479
UN proper shipping name	OXIDIZING SOLID, N.O.S. (Sodium Persulfate Mixture)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-Q
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - Yes

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Sodium Persulfate (CAS 7775-27-1)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	12-February-2015
Revision date	02-April-2015
Version #	02
Further information	HMIS® is a registered trade and service mark of the American Coatings Association (ACA).
HMIS® ratings	Health: 2* Flammability: 0 Physical hazard: 1
NFPA ratings	
Disclaimer	Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.