ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

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July 14, 2016

Ms. Joanna Liu
Asian Americans for Equality Community Development Fund
2 Allen Street, 7th Floor
New York, NY 10002

Re: Soil Disposal Characterization
133-04 39th Avenue, Queens, New York

Dear Ms. Liu:

On behalf of the Asian Americans For Equality Community Development Fund ("CDF"), Roux Associates, Inc. ("Roux Associates") has prepared this letter to document preliminary soil disposal characterization for the redevelopment of 133-04 39th Avenue, in Queens (the "Site"). The data presented in this letter was collected as part of an environmental investigation required by the New York City Office of Environmental Remediation ("OER"). Although the data is representative from within the area of excavation for the proposed building cellar, it is not an exhaustive waste characterization program that may be required by selected disposal facilities.

Soil Characterization Methodology

As part of the environmental investigation for OER, Roux Associates advanced eight soil borings onsite (RXSB-1 through RXSB-8) as shown on Figure 1. Based on the schematic design for the building prepared by JCJ Architecture and Leong Leong, excavation depth is approximately 25 feet below land surface ("bls") over the full Site of 13,426 square feet. Therefore, the estimated soil quantity for disposal is approximately 12,500 cubic yards ("CY").

Between June 6, 2016 and June 8, 2016, soil was collected from the eight soil borings within the proposed building footprint. The soil was inspected for evidence of contamination including staining, free product, and/or odors, and placed characterized for lithology. Soil boring / monitoring well construction logs presenting descriptions of the soil encountered are presented in Attachment 1.

Seventeen soil samples were submitted to Alpha Analytical of Westborough, Massachusetts for laboratory analyses. The samples were analyzed for the following list of parameters:

- Volatile Organic Compounds ("VOCs");

- Semivolatile Organic Compounds ("SVOCs");
- Total Metals;
- Polychlorinated Biphenyls ("PCBs"); and
- Pesticides.

The samples are considered representative of the approximately 12,500 CY anticipated for disposal from the Site.

Soil Quality Results
The soil characterization sample results and are summarized on Table 1 through Table 5. Analytical reports are included as Attachment 2.

Roux Associates observed the presence of fill material in some areas of the Site to a depth of five feet bls. This material included minor amounts of brick, slag, cobbles, and gravel. Beneath the fill and in areas where there was no fill, the soil to a depth of approximately 25 feet bls was predominantly sand with varying amounts of clay, silt, gravel, and cobbles. In addition, several non-uniform layers of clay and silt were observed. Groundwater was encountered below 35 feet bls.

Laboratory analytical data was compared to New York State Department of Environmental Conservation Part 375 Unrestricted Use Soil Cleanup Objectives ("SCOs") and Commercial Use SCOs. Three metals (arsenic, copper, and lead) were detected above Commercial Use SCOs in at least one sample. One VOC (trichloroethene), two pesticides (pp-DDE and pp-DDT), and five metals (chromium, manganese, mercury, nickel, and zinc) were detected above the Unrestricted Use SCOs but below the Commercial Use SCOs in at least one sample. No SVOCs or PCBs were detected above Unrestricted Use SCOs in any sample.

Roux Associates recommends that the Asian Americans For Equality CDF provide this data to the excavation contractor for disposal contracting purposes.

Soil Disposal Requirements
The Site is enrolled in the OER's Voluntary Cleanup Program. As a requirement of the upcoming Remedial Action Work Plan for the Site, off-site disposal of all soil/fill material must be at a permitted facility. A Historic Fill & Soil Disposal Notification Form prepared by OER is provided in Attachment 3, and must be provided to all proposed disposal facilities along with any material profile that is required. Each facility that is accepting soil from the Site must provide an acceptance letter indicating that the attached laboratory analytical data has been approved and that the Historic Fill & Soil Disposal Notification Form was reviewed. Once a facility has provided this approval letter, Roux Associates will submit it to OER for approval.

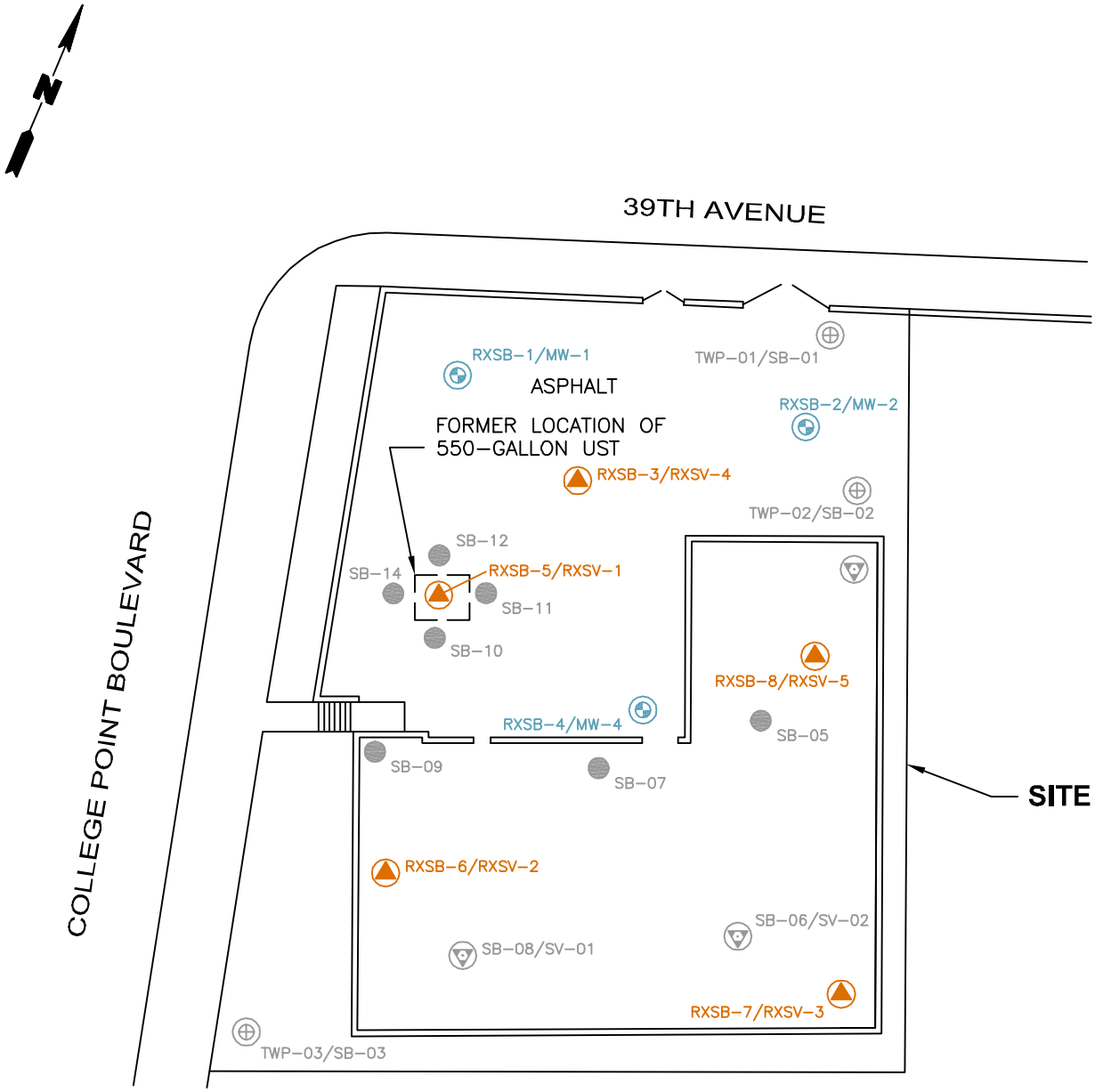
Please call if you have any questions or require additional information.

Sincerely,

ROUX ASSOCIATES, INC.

Michael Roux
Principal Hydrogeologist

Attachments



30' 0 30'

LEGEND

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

Title:

SAMPLING LOCATIONS

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

Prepared For:

ASIAN AMERICANS FOR EQUALITY

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: R.H.	Date: 20JUN16	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	2
Project Mgr: M.R.	Project: 2741.0001Y000	
File: 2741.0001Y101.01.DWG		

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Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

DRAFT

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

Table 1. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

DRAFT

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

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

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

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

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

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

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

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

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

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

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

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

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

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

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

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

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

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

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

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

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

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

DRAFT

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

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

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

Table 3. Summary of Metals in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 3. Summary of Metals in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

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

DRAFT

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

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 4. Summary of Polychlorinated Biphenyls in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

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

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

Table 4. Summary of Polychlorinated Biphenyls in Soil, AAFE, 133-04 39th Avenue, Flushing, New York **DRAFT**

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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

DRAFT

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

J - Estimated value

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

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SCO - Soil Cleanup Objectives

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

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

DRAFT

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

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

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

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SCO - Soil Cleanup Objectives

-- No SCO available

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

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

DRAFT

			Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
			Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
			Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
			Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Aldrin	5	680	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	3400	UG/KG	0.67 U	0.715 U	0.724 U	0.655 U	0.808 U	0.669 U
Alpha Endosulfan	2400	200000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	3000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Beta Endosulfan	2400	200000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Chlordane	--	--	UG/KG	13.1 U	13.9 U	14.1 U	12.8 U	9.11 J	13 U
cis-Chlordane	94	24000	UG/KG	2.01 U	2.14 U	2.17 U	1.96 U	2.42 U	2.01 U
Delta BHC (Delta Hexachlorocyclohexane)	40	500000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Dieldrin	5	1400	UG/KG	1 U	1.07 U	1.09 U	0.982 U	0.609 JPI	1 U
Endosulfan Sulfate	2400	200000	UG/KG	0.67 U	0.715 U	0.724 U	0.655 U	0.808 U	0.669 U
Endrin	14	89000	UG/KG	0.67 U	0.715 U	0.724 U	0.655 U	0.959 P	0.669 U
Endrin Aldehyde	--	--	UG/KG	2.01 U	2.14 U	2.17 U	1.96 U	2.42 U	2.01 U
Endrin Ketone	--	--	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
Gamma Bhc (Lindane)	100	9200	UG/KG	0.67 U	0.715 U	0.724 U	0.655 U	0.808 U	0.669 U
Heptachlor	42	15000	UG/KG	0.804 U	0.858 U	0.869 U	0.786 U	0.97 U	0.803 U
Heptachlor Epoxide	--	--	UG/KG	3.02 U	3.22 U	3.26 U	2.95 U	3.64 U	3.01 U
Methoxychlor	--	--	UG/KG	3.02 U	3.22 U	3.26 U	2.95 U	3.64 U	3.01 U
P,P'-DDD	3.3	92000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.94 U	1.6 U
P,P'-DDE	**3.3**	62000	UG/KG	1.61 U	1.72 U	1.74 U	1.57 U	1.75 J	1.6 U
P,P'-DDT	**3.3**	47000	UG/KG	3.02 U	3.22 U	3.26 U	2.95 U	**6.64 P**	3.01 U
Toxaphene	--	--	UG/KG	30.2 U	32.2 U	32.6 U	29.5 U	36.4 U	30.1 U
trans-Chlordane	--	--	UG/KG	2.01 U	2.14 U	2.17 U	1.96 U	1.99 J	2.01 U

J - Estimated value

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

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

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

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

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-- No SCO available

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

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

DRAFT

			Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
			Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
			Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
			Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units					
Aldrin	5	680	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	3400	UG/KG	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Alpha Endosulfan	2400	200000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	3000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Beta Endosulfan	2400	200000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Chlordane	--	--	UG/KG	14.1 U	13.3 U	12.9 U	13.3 U	14 U
cis-Chlordane	94	24000	UG/KG	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U
Delta BHC (Delta Hexachlorocyclohexane)	40	500000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Dieldrin	5	1400	UG/KG	1.08 U	1.02 U	0.905 J	1.02 U	0.679 JPI
Endosulfan Sulfate	2400	200000	UG/KG	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Endrin	14	89000	UG/KG	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Endrin Aldehyde	--	--	UG/KG	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U
Endrin Ketone	--	--	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Gamma Bhc (Lindane)	100	9200	UG/KG	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Heptachlor	42	15000	UG/KG	0.865 U	0.818 U	0.795 U	0.818 U	0.86 U
Heptachlor Epoxide	--	--	UG/KG	3.24 U	3.07 U	2.98 U	3.07 U	3.22 U
Methoxychlor	--	--	UG/KG	3.24 U	3.07 U	2.98 U	3.07 U	3.22 U
P,P'-DDD	3.3	92000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
P,P'-DDE	**3.3**	62000	UG/KG	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
P,P'-DDT	**3.3**	47000	UG/KG	1.46 J	3.07 U	**4.21**	3.07 U	**4.24**
Toxaphene	--	--	UG/KG	32.4 U	30.7 U	29.8 U	30.7 U	32.2 U
trans-Chlordane	--	--	UG/KG	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
P - The RPD between the results for the two columns exceeds the method-specified criteria
I - The lower value for the two columns has been reported due to obvious interference
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Soil Boring / Monitoring Well Construction Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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

WELL CONSTRUCTION LOG

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

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

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

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

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

Bentonite Seal
2" PVC Riser
GROUND WATER LEVEL 6/7/16
GROUND WATER LEVEL 6/15/16
10 ft of 2" diameter, 0.10 slot PVC screen

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-2/MW-2	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY / LOGGED BY	**Queens, NY**
M. Roux / **M. Diggory**	

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
ADT / CM	

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/7/16-6/7/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 1-inch	**Slotted**	**PVC**	**10.0**ft	**1-inch**	**10-Slot**

ELEVATION OF:	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
(Feet ABOVE Site Datum)	**44.75**		**9.8 / -0.3**	**#1 Sand**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			Handcleared to 5 ft bls.; soil sample 'RXSB-2/0-2' collected
		gray; CMF SAND and sand-sized Slag; some fine Gravel, fine gravel-sized Slag; trace Silt; moist (Fill)		0.2	
5		Brown; fine SAND and SILT; little Clay; moist (SM)			4 foot recovery; soil sample 'RXSB-2/5-7' collected
				1.2	
		Brown; CMF SAND; little Silt, F-C Gravel; trace Clay; moist (SW-SM)		1.0	
10		Brown; F-M SAND; trace Silt, fine Gravel; moist (SP)			4 foot recovery
				0.0	
				1.5	
15		2" PVC Riser		2.4	
		Brown; fine SAND and SILT; trace Clay, fine Gravel; moist (SP-SM)			4 foot recovery
				2.8	
				1.6	
		Brown; SILT and CLAY; moist (CL-ML)		1.8	
20		Brown; F-M SAND and SILT; trace Gravel; moist (SP-SM)			5 foot recovery; soil sample 'RXSB-2/22-24' collected
		Light brown; fine SAND and SILT; little Clay; moist (SP-SM)		3.8	
25		increasing amounts of Clay, at 25' grey CLAY (CL-ML)		0.0	

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-2/MW-2	**Not Measured**	**Not Measured**
PROJECT NO./NAME		LOCATION
2741.0001Y / AAFE - Flushing MultiUse		**133-04 39th Ave**
APPROVED BY	LOGGED BY	**Queens, NY**
M. Roux	**M. Diggory**	

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Grey-brown; CLAY; moist (CH)		2.5	5 foot recovery
				3.6	
30				3.4	30
		Grey-brown; CLAY; moist (CH)		1.4	5 foot recovery
		Orange; CMF SAND; trace Silt; moist (SW)		1.4	
		Grey; CLAY; moist (CH)		0	
35					35
		Dark grey; CLAY; moist (CH)		0.1	5 foot recovery
40					40
				1.2	5 foot recovery; set bottom of well at 45 ft bls
		Orange; F-M SAND; trace Gravel; moist (SP)		0.9	
		Dark grey; CLAY with brown SILT; moist (CL-ML)			
		Light brown; F-M SAND; trace fine Gravel; moist (SP)		2.2	
45		Dark grey; CLAY; moist (CH)			45

Bentonite Seal

2" PVC Riser

10 ft of 2" diameter, 0.10 slot PVC screen

GROUND WATER LEVEL 6/15/16

GROUND WATER LEVEL 6/7/16

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-3/RXSV-4	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY / LOGGED BY	**Queens, NY**
M. Roux / **M. Diggory**	

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
ADT / CM	

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/7/16-6/7/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
/ 1-inch			**2.0** ft	**1-inch**	**10-Slot**

ELEVATION OF:	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
(Feet ABOVE Site Datum)	**45.32**		**22.3 / 20.3**	**#1 Sand**

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

Soil vapor tubing

Bentonite Seal

Soil vapor point

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-4/MW-4	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY / LOGGED BY	**Queens, NY**
M. Roux / **M. Diggory**	

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
ADT / CM	

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/6/16-6/6/16**

CASING MAT./DIA.	SCREEN:
PVC / 1-inch	TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **10.0**ft DIA. **1-inch** SLOT SIZE **10-Slot**

ELEVATION OF:	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
(Feet ABOVE Site Datum)	**45.50**		**10.5 / 0.5**	**#1 Sand**

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

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

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

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

Bentonite Seal

2" PVC Riser

10 ft of 2" diameter, 0.10 slot PVC screen

GROUND WATER LEVEL 6/15/16
GROUND WATER LEVEL 6/7/16

set temporary well MW-4 at 45 ft bls

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-5/RXSV-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY: **M. Roux** / LOGGED BY: **M. Diggory**	**Queens, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / CM**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/6/16-6/6/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 1-inch		**PVC**	**2.0** ft	**1-inch**	**10-Slot**

ELEVATION OF:	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
(Feet ABOVE Site Datum)	**45.60**		**22.6 / 20.6**	**#1 Sand**

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

Soil vapor tubing

Bentonite Seal

Soil vapor point

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

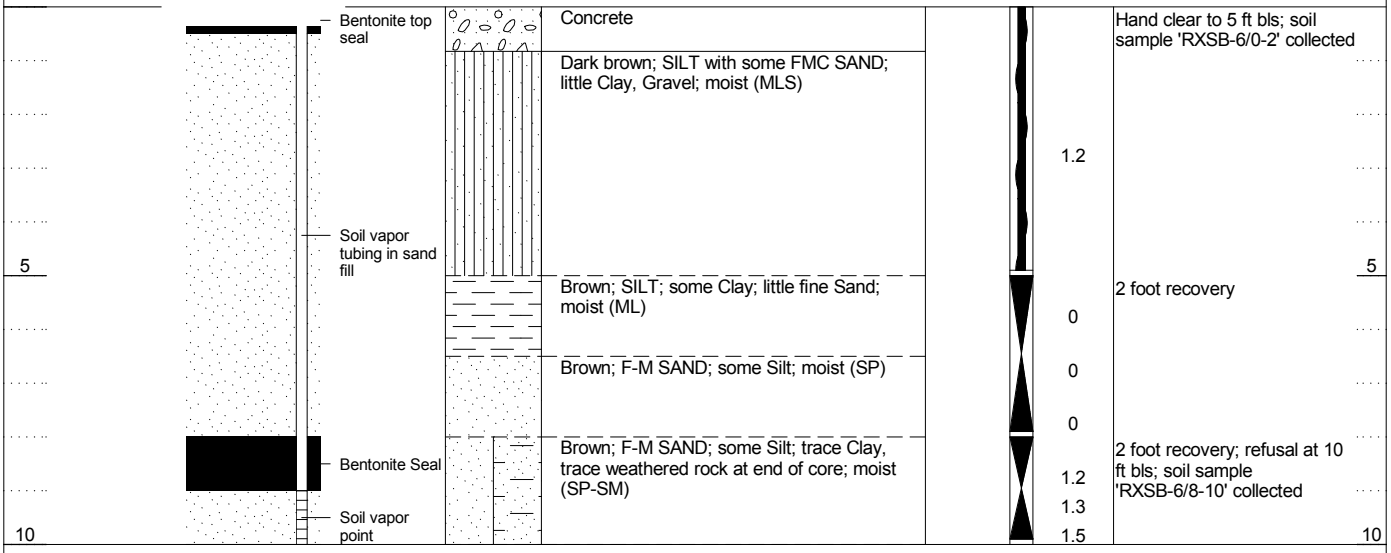
WELL NO.	NORTHING	EASTING
RXSB-6/RXSV-2	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY: **M. Roux** / LOGGED BY: **A. Muscietta**	**Queens, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / CM**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/7/26-6/8/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 1-inch		**PVC**	**1.0** ft	**1-inch**	**10-Slot**

ELEVATION OF: (Feet ABOVE Site Datum)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
	45.80		**36.8 / 35.8**	**#1 Sand**



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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
RXSB-7/RXSV-3	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY: **M. Roux** / LOGGED BY: **A. Muscietta**	**Queens, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / CM**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/7/16-6/8/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 1-inch		**PVC**	**1.0** ft	**1-inch**	**10-Slot**

ELEVATION OF: (Feet ABOVE Site Datum)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
	45.80		**39.3 / 38.3**	**#1 Sand**

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

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 6/29/16

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WELL CONSTRUCTION LOG

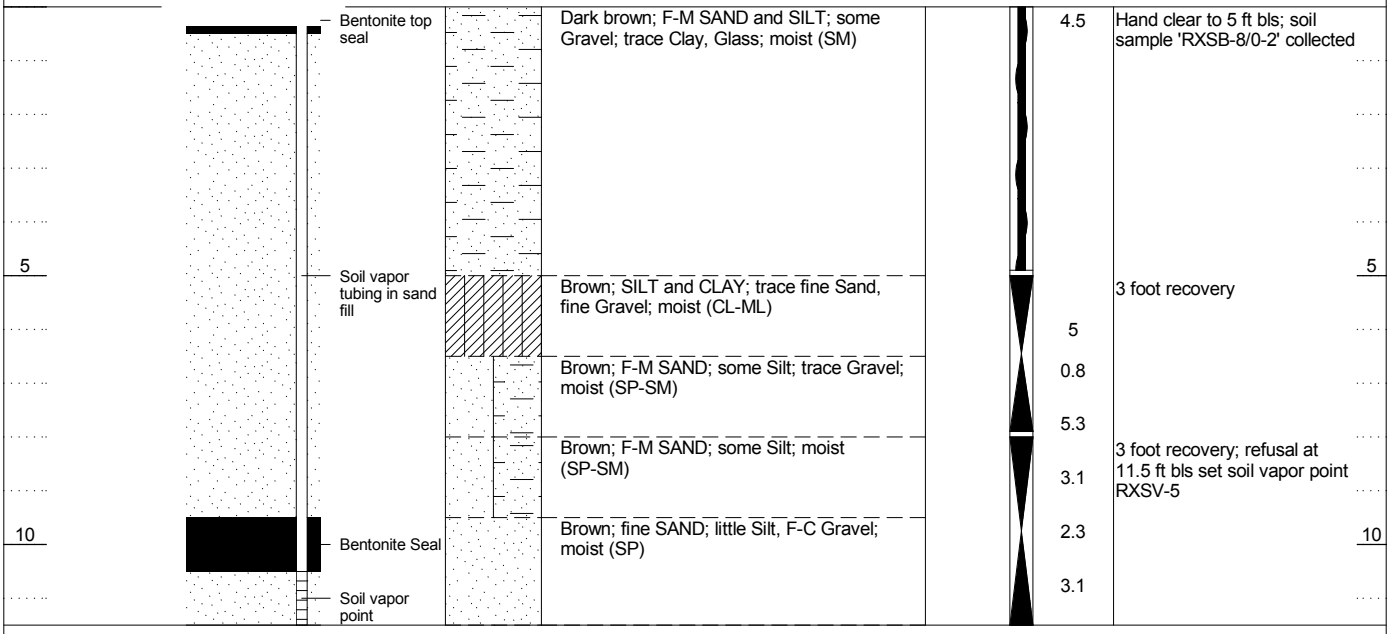
WELL NO.	NORTHING	EASTING
RXSB-8/RXSV-5	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2741.0001Y / AAFE - Flushing MultiUse	**133-04 39th Ave**
APPROVED BY: **M. Roux** / LOGGED BY: **A. Muscietta**	**Queens, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / CM**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**/ Geoprobe**	**2" Macro-Core**	**6/7/16-6/8/16**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 1-inch		**PVC**	**1.0** ft	**1-inch**	**10-Slot**

ELEVATION OF: (Feet ABOVE Site Datum)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
	45.80		**35.3 / 34.3**	**#1 Sand**



Laboratory Data

Not Included in Draft

Fill Notification

Historic Fill and Soil Disposal Notification Form
New York City Office of Environmental Remediation

Date: April 1, 2016

To operators and representatives of disposal facilities and government regulators:

The New York City Office of Environmental Remediation (OER) operates several environmental remediation regulatory programs in New York City that manage light to moderately contaminated properties that are planned for redevelopment. These projects commonly involve the removal of historical fill and soil from properties for development and other purposes. As with any environmental regulatory program, lawful transport and disposal of historic fill and soil is mandatory. It is also our highest priority.

Disposal facilities, recycling facilities and clean fill facilities (collectively, "receiving facilities") for historic fill and soil may be located in New York or neighboring states. Our research has indicated that a wide range of facility types and a complex set of regulatory requirements and obligations for a receiving facility operation exist within each jurisdiction. Receiving facilities are required to comply with applicable laws and regulations and may operate under state and local authority via permits, licenses, registrations, agreements and other legal instruments that dictate requirements for the material they can receive. Operating requirements may include adherence to applicable chemical standards, guidance levels, criteria, policy, or other bases to determine the suitability for receipt of historical fill or soil at a receiving facility. Such requirements may also specify sample frequency, location, sampling method, chemical analytes, or analytical methods. Receiving facility soil/fill sampling requirements often differ from standard remedial investigation protocol performed in the original environmental study of the property.

Given the variability of data requirements for receiving facilities, the wide range of receiving facility types, and the complexity of regulatory requirements and obligations, OER is seeking to assist government regulators and facility operators and their technical representatives to achieve compliance with regulatory requirements for disposal of historic fill and soil at receiving facilities for projects we administer. Further, we seek to ensure that all of the data and information that is developed in OER's regulatory programs (for instance, site environmental history and soil chemistry) is available to government regulators and to facility managers when making decisions on suitability for disposal to a receiving facility.

This document provides formal notification from OER of the availability of environmental information regarding the physical and chemical content of historical fill and soil that is proposed for transfer to a disposal, recycling or clean fill facility from a property located at:

133-04 39th Avenue
Queens, New York

Block 4973, Lot(s) 6
OER Project Number: Not Assigned
OER VCP Number: Not Assigned

The above referenced property has undergone regulated environmental investigation and is the subject of remedial action work plan under the authority of OER. All environmental data and information generated during this regulatory process is available online in OER's Document Repository listed below. Be advised that many properties are also regulated under state environmental law, and additional data may be available from state agencies. OER reserves the right to share this information with applicable state regulators.

http://www.nyc.gov/html/oer/html/document-repository/document-repository.shtml

Note: when logged on to above URL, select the borough for the site (listed in the address above) and scroll through the list and select the address for the site (listed above). All documents are available in PDF format.

According to New York State DER-10 Technical Guidance for Site Investigation and Remediation, historical fill is non-indigenous fill material deposited on a property to raise its topographic elevation. The origin of historical fill is unknown but it is commonly known to contain ash from wood and coal combustion, slag, clinker, construction debris, dredge spoils, incinerator residue, and demolition debris. Historic fill is a regulated solid waste in the State of New York. Prior to making a determination regarding the suitability of historic fill and/or soil from this property for disposal at this receiving facility, **we strongly recommend that you review all of the data and information available for this property in our Document Repository** listed above. The repository will ultimately include:

- A Phase 1 history of use of the property;
- A Remedial Investigation Report for the property which includes:
  - Boring logs that describe physical observations of the historical fill material made by a trained environmental professional;
  - Chemical data for grab samples of historical fill collected during the remedial investigation;
- A Remedial Action Work Plan for the property.

If you have any questions, please contact Horace Zhang at (212) 788-8484 or Hzhang@dep.nyc.gov for more information.