SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 Merrick Road, Seaford, NY 11783
P: 516.221.7500 Email: Soilmech@optonline.net

March 20, 2019

SNL Construction
3333 New Hyde Park Rd., Suite 200
Lake Success, N.Y. 11042
Attn: Mr. Philip Lepine
pL@snlstorage.com

Re: 4380 Bullard Ave.
Bronx, NY
SMES Project #18-340

Dear Mr. Lepine:

Forwarded herewith are supporting documents associated with PCB impacted soil delineation efforts recently completed at the above referenced property, including: (i) Site Plan; (ii) tabulated sample summary; (iii) complete laboratory reports; and (iv) laboratory chains of custody.

Soil samples were collected, on a continuous basis, from eight (8) locations to the depth of proposed site redevelopment (El. 102.0, see Site Plan and Table #1). All recovered soil samples were containerized for laboratory analysis from each borehole locations (total 8 samples – see Tables #1).

All sampling was conducted by qualified Soil Mechanics Environmental Services personnel in accordance with appropriate sampling and decontamination protocols. The discrete samples (total 60) were containerized into appropriate glassware, iced to 4 degrees C^0, and hand delivered to Long Island Analytical Labs of Holbrook, NY (NYS certified), in accordance with appropriate Chain of Custody procedures.

The results of laboratory analysis, which included analysis for PCBs (8082A), are presented in Table #1 attached. Should you have any questions regarding the contents of this letter, please feel free to call our office.

Very truly yours,
Soil Mechanics Environmental Services

Altan Gulum, C.P.G., P.G.
Project Manager

Robert Cardinale, M.S., C.P.G., P.G.
Director of Environmental Services

Carl Vernick, P.E.
President

Table #1 -Sampling Schedule and total PCB Results

Borehole Location	Surface Elevation ±	Actual Surface Elevation*	Required Sampling Intervals	Sample ID #s & Sample Elevations	Total PCB Concentration (ug/kg)	NYSDEC SCOs
B-8	±123.75	121.7	Surface to El. 102.0	Sampling to 19' bgs (Total 10 samples)	-	Unrestricted Use 100 ug/kg Residential Use SCO 1000.0 ug/kg Commercial Use SCO 1000.0 ug/kg Industrial Use SCO 25000.0 ug/kg Protection of Groundwater SCO 3200.0 ug/kg
				B-8/S-1 (121.7 to 119.7)	28,300.0	
				B-8/S-2 (119.7 to 117.7)	2,300.0	
				B-8/S-3 (119.7 to 117.7)	131.0	
				B-8/S-4 (115.7 to 113.7)	ND	
				B-8/S-5 (113.7 to 111.7)	ND	
				B-8/S-6 (111.7 to 109.7)	ND	
				B-8/S-7 (109.7 to 107.7)	ND	
				B-8/S-8 (107.7 to 105.7)	ND	
				B-8/S-9 (105.7 to 103.7)	ND	
				B-8/S-10 (103.7 to 102.7)	ND	
				B-8/S-11 (no sample obstruction)	-	
B-9	±120.0	118.5	Surface to El. 102.0	Sampling to 18' bgs (Total 9 Samples)	-	
				B-9/S-1 (118.5 to 116.5)	111,000.0	
				B-9/S-2 (116.5 to 114.5)	17,100.0	
				B-9/S-3 (114.5 to 112.5)	28,800,000.0	
				B-9/S-4 (112.5 to 110.5)	469,000.0	
				B-9/S/5 (110.5 to 108.5)	68,800.0	
				B-9/S-6 (108.5 to 106.5)	17,700.0	
				B-9/S-7 (106.5 to 104.5)	1,040.0	
				B-9/S-8 (104.5 to 102.5)	1,800.0	
				B-9/S-9 (102.5 to 100.5)	21,200.0	
B-10	±116.0	114.4	Surface to El. 102.0	Sampling to 14' bgs (Total 7 Samples)	-	
				B-10/S-1 (114.4 to 112.4)	2,610.0	
				B-10/S-2 (112.4 to 110.4)	98,000.0	
				B-10/S-3 (110.4 to 108.4)	188.0	
				B-10/S-4 (108.4 to 106.4)	24.4	
				B-10/S-5 (106.4 to 104.4)	21.0	
				B-10/S-6 (104.4 to 102.4)	18.9	
				B-10/S-7 (102.4 to 100.4)	59.8	
B-11	±114.25	113.0	Surface to El. 102.0	Sampling to 12' bgs (Total 6 Samples)	-	
				B-11/S-1 (113.0 to 111.0)	30,600.0	
				B-11/S-2 (111.0 to 109.0)	1,640.0	
				B-11/S-3 (109.0 to 107.0)	119.0	
				B-11/S-4 (107.0 to 105.0)	50.1	
				B-11/S-5 (105.0 to 103.0)	18.6	
				B-11/S-6 (103.0 to 101.0)	37.2	
B-12	±115.0	113.0	Surface to El. 102.0	Sampling to 14' bgs (Total 7 Samples)	-	
				B-12/S-1 (113.0 to 111.0)	8,160.0	
				B-12/S-2 (111.0 to 109.0)	1,380.0	
				B-12/S-3 (109.0 to 107.0)	34.8	
				B-12/S-4 (107.0 to 105.0)	16.0	
				B-12/S-5 (105.0 to 103.0)	525.0	
				B-12/S-6 (103.0 to 102.0)	17.6	
				B-12/S-7 (102.0 to 99.0)	44.2	
B-13	±116.0	114.5	Surface to 102.0	Sampling to 14' bgs (Total 7 Samples)	-	
				B-13/S-1 (114.5 to 112.5)	27,600.0	
				B-13/S-2 (112.5 to 110.5)	13,600.0	
				B-13/S-3 (110.5 to 108.5)	1,310.0	
				B-13/S-4 (108.5 to 106.5)	180.0	
				B-13/S-5 (106.5 to 104.5)	32.4	
				B-13/S-6 (104.5 to 102.5)	30.2	
				B-13/S-7 (102.5 to 100.5)	41.9	
B-14	±114.5	112.8	Surface to 102.0	Sampling to 12' bgs (Total 6 Samples)	-	
				B-14/S-1 (112.8 to 110.8)	786.0	
				B-14/S-2 (110.8 to 108.8)	269.0	
				B-14/S-3 (108.8 to 106.8)	ND	
				B-14/S-4 (106.8 to 104.8)	39.5	
				B-14/S-5 (104.8 to 102.8)	41.6	
				B-14/S-6 (102.8 to 100.8)	122.0	
B-15	±118.0	116.3	Surface to 102.0	Sampling to 16' bgs (Total 8 Samples)	-	
				B-15/S-1 (116.3 to 114.3)	2,620.0	
				B-15/S-2 (114.3 to 112.3)	68.6	
				B-15/S-3 (112.3 to 110.3)	ND	
				B-15/S-4 (110.3 to 108.3)	ND	
				B-15/S-5 (108.3 to 106.3)	ND	
				B-15/S-6 (106.3 to 104.3)	ND	
				B-15/S-7 (104.3 to 102.3)	ND	
				B-15/S-8 (102.3 to 100.3)	ND	

* Benchmark existing GW monitoring well, given elevation 119.1 (see Site Plan)

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 9031375

March 18, 2019

Soil Mechanics
Robert J. Cardinale
3770 Merrick Road
Seaford, NY 11783

Re: 4380 Bullard Ave, Bronx

Dear Robert J. Cardinale,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on March 13, 2019. Long Island Analytical laboratories analyzed the samples on March 16, 2019 for the following:

SAMPLE ID	ANALYSIS
B8/S1	EPA 8082 A
B8/S2	EPA 8082 A
B8/S3	EPA 8082 A
B8/S4	EPA 8082 A
B8/S5	EPA 8082 A
B8/S6	EPA 8082 A
B8/S7	EPA 8082 A
B8/S8	EPA 8082 A
B8/S9	EPA 8082 A
B8/S10	EPA 8082 A
B9/S1	EPA 8082 A
B9/S2	EPA 8082 A
B9/S3	EPA 8082 A
B9/S4	EPA 8082 A
B9/S5	EPA 8082 A
B9/S6	EPA 8082 A
B9/S7	EPA 8082 A
B9/S8	EPA 8082 A
B9/S9	EPA 8082 A

B10/S1	EPA 8082 A
B10/S2	EPA 8082 A
B10/S3	EPA 8082 A
B10/S4	EPA 8082 A
B10/S5	EPA 8082 A
B10/S6	EPA 8082 A
B10/S7	EPA 8082 A
B11/S1	EPA 8082 A
B11/S2	EPA 8082 A
B11/S3	EPA 8082 A
B11/S4	EPA 8082 A
B11/S5	EPA 8082 A
B11/S6	EPA 8082 A
B12/S1	EPA 8082 A
B12/S2	EPA 8082 A
B12/S3	EPA 8082 A
B12/S4	EPA 8082 A
B12/S5	EPA 8082 A
B12/S6	EPA 8082 A
B12/S7	EPA 8082 A
B13/S1	EPA 8082 A
B13/S2	EPA 8082 A
B13/S3	EPA 8082 A
B13/S4	EPA 8082 A
B13/S5	EPA 8082 A
B13/S6	EPA 8082 A
B13/S7	EPA 8082 A
B14/S1	EPA 8082 A
B14/S2	EPA 8082 A
B14/S3	EPA 8082 A
B14/S4	EPA 8082 A
B14/S5	EPA 8082 A
B14/S6	EPA 8082 A
B15/S1	EPA 8082 A
B15/S2	EPA 8082 A

B15/S3	EPA 8082 A
B15/S4	EPA 8082 A
B15/S5	EPA 8082 A
B15/S6	EPA 8082 A
B15/S7	EPA 8082 A
B15/S8	EPA 8082 A

Samples received at 4.0 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:00	Sample ID: B8/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-01 % Solid:81.35
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.3	<12.3	ug/kg dry	4.G
Aroclor-1221	11104-28-2	12.3	<12.3	ug/kg dry	
Aroclor-1232	11141-16-5	12.3	<12.3	ug/kg dry	
Aroclor-1242	53469-21-9	12.3	<12.3	ug/kg dry	
Aroclor-1248	12672-29-6	12.3	<12.3	ug/kg dry	
Aroclor-1254	11097-69-1	12.3	28300	ug/kg dry	
Aroclor-1260	11096-82-5	12.3	<12.3	ug/kg dry	4.G
Aroclor-1262	37324-23-5	12.3	<12.3	ug/kg dry	
Aroclor-1268	11100-14-4	12.3	<12.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	176	32.5-149	4.E
Tetrachloro-m-xylene	877-09-8	178	58.7-131	4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:02	Sample ID: B8/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-02 % Solid:75.84
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	13.2	<13.2	ug/kg dry	
Aroclor-1221	11104-28-2	13.2	<13.2	ug/kg dry	
Aroclor-1232	11141-16-5	13.2	<13.2	ug/kg dry	
Aroclor-1242	53469-21-9	13.2	<13.2	ug/kg dry	
Aroclor-1248	12672-29-6	13.2	<13.2	ug/kg dry	
Aroclor-1254	11097-69-1	13.2	2300	ug/kg dry	
Aroclor-1260	11096-82-5	13.2	<13.2	ug/kg dry	
Aroclor-1262	37324-23-5	13.2	<13.2	ug/kg dry	
Aroclor-1268	11100-14-4	13.2	<13.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	187	32.5-149	4.E
Tetrachloro-m-xylene	877-09-8	186	58.7-131	4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	98	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:05	Sample ID: B8/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-03 % Solid:80.79
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.4	<12.4	ug/kg dry	
Aroclor-1221	11104-28-2	12.4	<12.4	ug/kg dry	
Aroclor-1232	11141-16-5	12.4	<12.4	ug/kg dry	
Aroclor-1242	53469-21-9	12.4	<12.4	ug/kg dry	
Aroclor-1248	12672-29-6	12.4	<12.4	ug/kg dry	
Aroclor-1254	11097-69-1	12.4	131	ug/kg dry	
Aroclor-1260	11096-82-5	12.4	<12.4	ug/kg dry	
Aroclor-1262	37324-23-5	12.4	<12.4	ug/kg dry	
Aroclor-1268	11100-14-4	12.4	<12.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	102	32.5-149	
Tetrachloro-m-xylene	877-09-8	102	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	103	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:08	Sample ID: B8/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-04 % Solid:86.84
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.5	<11.5	ug/kg dry	
Aroclor-1221	11104-28-2	11.5	<11.5	ug/kg dry	
Aroclor-1232	11141-16-5	11.5	<11.5	ug/kg dry	
Aroclor-1242	53469-21-9	11.5	<11.5	ug/kg dry	
Aroclor-1248	12672-29-6	11.5	<11.5	ug/kg dry	
Aroclor-1254	11097-69-1	11.5	<11.5	ug/kg dry	
Aroclor-1260	11096-82-5	11.5	<11.5	ug/kg dry	
Aroclor-1262	37324-23-5	11.5	<11.5	ug/kg dry	
Aroclor-1268	11100-14-4	11.5	<11.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	101	32.5-149	
Tetrachloro-m-xylene	877-09-8	102	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:10	Sample ID: B8/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-05 % Solid:84.87
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	23.6	<23.6	ug/kg dry	3.A
Aroclor-1221	11104-28-2	23.6	<23.6	ug/kg dry	3.A
Aroclor-1232	11141-16-5	23.6	<23.6	ug/kg dry	3.A
Aroclor-1242	53469-21-9	23.6	<23.6	ug/kg dry	3.A
Aroclor-1248	12672-29-6	23.6	<23.6	ug/kg dry	3.A
Aroclor-1254	11097-69-1	23.6	<23.6	ug/kg dry	3.A
Aroclor-1260	11096-82-5	23.6	<23.6	ug/kg dry	3.A
Aroclor-1262	37324-23-5	23.6	<23.6	ug/kg dry	3.A
Aroclor-1268	11100-14-4	23.6	<23.6	ug/kg dry	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	172	32.5-149	3.E, 4.E
Tetrachloro-m-xylene	877-09-8	169	58.7-131	3.E, 4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	92	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:12	Sample ID: B8/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-06 % Solid:86.45
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.6	<11.6	ug/kg dry	
Aroclor-1221	11104-28-2	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	11.6	<11.6	ug/kg dry	
Aroclor-1260	11096-82-5	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	115	32.5-149	
Tetrachloro-m-xylene	877-09-8	112	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	94	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:14	Sample ID: B8/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-07 % Solid:85.14
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.7	<11.7	ug/kg dry	
Aroclor-1221	11104-28-2	11.7	<11.7	ug/kg dry	
Aroclor-1232	11141-16-5	11.7	<11.7	ug/kg dry	
Aroclor-1242	53469-21-9	11.7	<11.7	ug/kg dry	
Aroclor-1248	12672-29-6	11.7	<11.7	ug/kg dry	
Aroclor-1254	11097-69-1	11.7	<11.7	ug/kg dry	
Aroclor-1260	11096-82-5	11.7	<11.7	ug/kg dry	
Aroclor-1262	37324-23-5	11.7	<11.7	ug/kg dry	
Aroclor-1268	11100-14-4	11.7	<11.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	119	32.5-149	
Tetrachloro-m-xylene	877-09-8	114	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	90	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:16	Sample ID: B8/S8
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-08 % Solid:91.53
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.9	<10.9	ug/kg dry	
Aroclor-1221	11104-28-2	10.9	<10.9	ug/kg dry	
Aroclor-1232	11141-16-5	10.9	<10.9	ug/kg dry	
Aroclor-1242	53469-21-9	10.9	<10.9	ug/kg dry	
Aroclor-1248	12672-29-6	10.9	<10.9	ug/kg dry	
Aroclor-1254	11097-69-1	10.9	<10.9	ug/kg dry	
Aroclor-1260	11096-82-5	10.9	<10.9	ug/kg dry	
Aroclor-1262	37324-23-5	10.9	<10.9	ug/kg dry	
Aroclor-1268	11100-14-4	10.9	<10.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	106	32.5-149	
Tetrachloro-m-xylene	877-09-8	101	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:18	Sample ID: B8/S9
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-09 % Solid:90.32
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	<11.1	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	109	32.5-149	
Tetrachloro-m-xylene	877-09-8	103	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	98	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:20	Sample ID: B8/S10
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-10 % Solid:92.55
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.8	<10.8	ug/kg dry	
Aroclor-1221	11104-28-2	10.8	<10.8	ug/kg dry	
Aroclor-1232	11141-16-5	10.8	<10.8	ug/kg dry	
Aroclor-1242	53469-21-9	10.8	<10.8	ug/kg dry	
Aroclor-1248	12672-29-6	10.8	<10.8	ug/kg dry	
Aroclor-1254	11097-69-1	10.8	<10.8	ug/kg dry	
Aroclor-1260	11096-82-5	10.8	<10.8	ug/kg dry	
Aroclor-1262	37324-23-5	10.8	<10.8	ug/kg dry	
Aroclor-1268	11100-14-4	10.8	<10.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	112	32.5-149	
Tetrachloro-m-xylene	877-09-8	108	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:40	Sample ID: B9/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-11 % Solid:87.77
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.4	<11.4	ug/kg dry	
Aroclor-1221	11104-28-2	11.4	<11.4	ug/kg dry	
Aroclor-1232	11141-16-5	11.4	<11.4	ug/kg dry	
Aroclor-1242	53469-21-9	11.4	<11.4	ug/kg dry	
Aroclor-1248	12672-29-6	11.4	<11.4	ug/kg dry	
Aroclor-1254	11097-69-1	11.4	111000	ug/kg dry	
Aroclor-1260	11096-82-5	11.4	<11.4	ug/kg dry	
Aroclor-1262	37324-23-5	11.4	<11.4	ug/kg dry	
Aroclor-1268	11100-14-4	11.4	<11.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	140	32.5-149	
Tetrachloro-m-xylene	877-09-8	154	58.7-131	4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	108	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:41	Sample ID: B9/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-12 % Solid:78.41
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.8	<12.8	ug/kg dry	
Aroclor-1221	11104-28-2	12.8	<12.8	ug/kg dry	
Aroclor-1232	11141-16-5	12.8	<12.8	ug/kg dry	
Aroclor-1242	53469-21-9	12.8	<12.8	ug/kg dry	
Aroclor-1248	12672-29-6	12.8	<12.8	ug/kg dry	
Aroclor-1254	11097-69-1	12.8	17100	ug/kg dry	
Aroclor-1260	11096-82-5	12.8	<12.8	ug/kg dry	
Aroclor-1262	37324-23-5	12.8	<12.8	ug/kg dry	
Aroclor-1268	11100-14-4	12.8	<12.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	124	32.5-149	
Tetrachloro-m-xylene	877-09-8	121	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	112	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:42	Sample ID: B9/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-13 % Solid:79.07
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	1510	<1510	ug/kg dry	3.A
Aroclor-1221	11104-28-2	1510	<1510	ug/kg dry	3.A
Aroclor-1232	11141-16-5	1510	<1510	ug/kg dry	3.A
Aroclor-1242	53469-21-9	1510	<1510	ug/kg dry	3.A
Aroclor-1248	12672-29-6	1510	<1510	ug/kg dry	3.A
Aroclor-1254	11097-69-1	1510	28800000	ug/kg dry	3.E
Aroclor-1260	11096-82-5	1510	<1510	ug/kg dry	3.A
Aroclor-1262	37324-23-5	1510	<1510	ug/kg dry	3.A
Aroclor-1268	11100-14-4	1510	<1510	ug/kg dry	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	140	32.5-149	3.E
Tetrachloro-m-xylene	877-09-8	384	58.7-131	3.E, 4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	108	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:43	Sample ID: B9/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-14 % Solid:82.35
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.1	<12.1	ug/kg dry	
Aroclor-1221	11104-28-2	12.1	<12.1	ug/kg dry	
Aroclor-1232	11141-16-5	12.1	<12.1	ug/kg dry	
Aroclor-1242	53469-21-9	12.1	<12.1	ug/kg dry	
Aroclor-1248	12672-29-6	12.1	<12.1	ug/kg dry	
Aroclor-1254	11097-69-1	12.1	469000	ug/kg dry	
Aroclor-1260	11096-82-5	12.1	<12.1	ug/kg dry	
Aroclor-1262	37324-23-5	12.1	<12.1	ug/kg dry	
Aroclor-1268	11100-14-4	12.1	<12.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	63	32.5-149	
Tetrachloro-m-xylene	877-09-8	105	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:44	Sample ID: B9/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-15 % Solid:86.30
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.6	<11.6	ug/kg dry	
Aroclor-1221	11104-28-2	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	11.6	68800	ug/kg dry	
Aroclor-1260	11096-82-5	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	81	32.5-149	
Tetrachloro-m-xylene	877-09-8	108	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:45	Sample ID: B9/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-16 % Solid:83.94
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	35.7	<35.7	ug/kg dry	
Aroclor-1221	11104-28-2	35.7	<35.7	ug/kg dry	
Aroclor-1232	11141-16-5	35.7	<35.7	ug/kg dry	
Aroclor-1242	53469-21-9	35.7	<35.7	ug/kg dry	
Aroclor-1248	12672-29-6	35.7	<35.7	ug/kg dry	
Aroclor-1254	11097-69-1	35.7	17700	ug/kg dry	
Aroclor-1260	11096-82-5	35.7	<35.7	ug/kg dry	
Aroclor-1262	37324-23-5	35.7	<35.7	ug/kg dry	
Aroclor-1268	11100-14-4	35.7	<35.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	32.5-149	
Tetrachloro-m-xylene	877-09-8	106	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	103	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:46	Sample ID: B9/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-17 % Solid:84.69
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.8	<11.8	ug/kg dry	
Aroclor-1221	11104-28-2	11.8	<11.8	ug/kg dry	
Aroclor-1232	11141-16-5	11.8	<11.8	ug/kg dry	
Aroclor-1242	53469-21-9	11.8	<11.8	ug/kg dry	
Aroclor-1248	12672-29-6	11.8	<11.8	ug/kg dry	
Aroclor-1254	11097-69-1	11.8	1040	ug/kg dry	
Aroclor-1260	11096-82-5	11.8	<11.8	ug/kg dry	
Aroclor-1262	37324-23-5	11.8	<11.8	ug/kg dry	
Aroclor-1268	11100-14-4	11.8	<11.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	106	32.5-149	
Tetrachloro-m-xylene	877-09-8	113	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	91	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:48	Sample ID: B9/S8
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-18 % Solid:90.38
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	1800	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	99	32.5-149	
Tetrachloro-m-xylene	877-09-8	103	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	94	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 08:50	Sample ID: B9/S9
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-19 % Solid:90.72
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	21200	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	98	32.5-149	
Tetrachloro-m-xylene	877-09-8	103	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:10	Sample ID: B10/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-20 % Solid:85.96
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	23.3	<23.3	ug/kg dry	3.A
Aroclor-1221	11104-28-2	23.3	<23.3	ug/kg dry	3.A
Aroclor-1232	11141-16-5	23.3	<23.3	ug/kg dry	3.A
Aroclor-1242	53469-21-9	23.3	<23.3	ug/kg dry	3.A
Aroclor-1248	12672-29-6	23.3	<23.3	ug/kg dry	3.A
Aroclor-1254	11097-69-1	23.3	2610	ug/kg dry	3.E
Aroclor-1260	11096-82-5	23.3	<23.3	ug/kg dry	3.A
Aroclor-1262	37324-23-5	23.3	<23.3	ug/kg dry	3.A
Aroclor-1268	11100-14-4	23.3	<23.3	ug/kg dry	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	176	32.5-149	3.E, 4.E
Tetrachloro-m-xylene	877-09-8	181	58.7-131	3.E, 4.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:12	Sample ID: B10/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-21 % Solid:85.25
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.7	<11.7	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.7	<11.7	ug/kg dry	
Aroclor-1232	11141-16-5	11.7	<11.7	ug/kg dry	
Aroclor-1242	53469-21-9	11.7	<11.7	ug/kg dry	
Aroclor-1248	12672-29-6	11.7	<11.7	ug/kg dry	
Aroclor-1254	11097-69-1	11.7	79600	ug/kg dry	
Aroclor-1260	11096-82-5	11.7	18400	ug/kg dry	
Aroclor-1262	37324-23-5	11.7	<11.7	ug/kg dry	
Aroclor-1268	11100-14-4	11.7	<11.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	58	32.5-149	
Tetrachloro-m-xylene	877-09-8	66	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	117	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:14	Sample ID: B10/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-22 % Solid:88.53
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	188	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	52	32.5-149	
Tetrachloro-m-xylene	877-09-8	49	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:15	Sample ID: B10/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-23 % Solid:89.19
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.2	<11.2	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.2	<11.2	ug/kg dry	
Aroclor-1232	11141-16-5	11.2	<11.2	ug/kg dry	
Aroclor-1242	53469-21-9	11.2	<11.2	ug/kg dry	
Aroclor-1248	12672-29-6	11.2	<11.2	ug/kg dry	
Aroclor-1254	11097-69-1	11.2	24.4	ug/kg dry	
Aroclor-1260	11096-82-5	11.2	<11.2	ug/kg dry	
Aroclor-1262	37324-23-5	11.2	<11.2	ug/kg dry	
Aroclor-1268	11100-14-4	11.2	<11.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	55	32.5-149	
Tetrachloro-m-xylene	877-09-8	51	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:16	Sample ID: B10/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-24 % Solid:87.60
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.4	<11.4	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.4	<11.4	ug/kg dry	
Aroclor-1232	11141-16-5	11.4	<11.4	ug/kg dry	
Aroclor-1242	53469-21-9	11.4	<11.4	ug/kg dry	
Aroclor-1248	12672-29-6	11.4	<11.4	ug/kg dry	
Aroclor-1254	11097-69-1	11.4	21.0	ug/kg dry	
Aroclor-1260	11096-82-5	11.4	<11.4	ug/kg dry	
Aroclor-1262	37324-23-5	11.4	<11.4	ug/kg dry	
Aroclor-1268	11100-14-4	11.4	<11.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	60	32.5-149	
Tetrachloro-m-xylene	877-09-8	57	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:18	Sample ID: B10/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-25 % Solid:93.54
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.7	<10.7	ug/kg dry	4.M
Aroclor-1221	11104-28-2	10.7	<10.7	ug/kg dry	
Aroclor-1232	11141-16-5	10.7	<10.7	ug/kg dry	
Aroclor-1242	53469-21-9	10.7	<10.7	ug/kg dry	
Aroclor-1248	12672-29-6	10.7	<10.7	ug/kg dry	
Aroclor-1254	11097-69-1	10.7	18.9	ug/kg dry	
Aroclor-1260	11096-82-5	10.7	<10.7	ug/kg dry	
Aroclor-1262	37324-23-5	10.7	<10.7	ug/kg dry	
Aroclor-1268	11100-14-4	10.7	<10.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	57	32.5-149	
Tetrachloro-m-xylene	877-09-8	55	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:20	Sample ID: B10/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-26 % Solid:95.41
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.5	<10.5	ug/kg dry	4.M
Aroclor-1221	11104-28-2	10.5	<10.5	ug/kg dry	
Aroclor-1232	11141-16-5	10.5	<10.5	ug/kg dry	
Aroclor-1242	53469-21-9	10.5	<10.5	ug/kg dry	
Aroclor-1248	12672-29-6	10.5	<10.5	ug/kg dry	
Aroclor-1254	11097-69-1	10.5	59.8	ug/kg dry	
Aroclor-1260	11096-82-5	10.5	<10.5	ug/kg dry	
Aroclor-1262	37324-23-5	10.5	<10.5	ug/kg dry	
Aroclor-1268	11100-14-4	10.5	<10.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	65	32.5-149	
Tetrachloro-m-xylene	877-09-8	62	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	102	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:30	Sample ID: B11/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-27 % Solid:86.37
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	23.2	<23.2	ug/kg dry	4.M
Aroclor-1221	11104-28-2	23.2	<23.2	ug/kg dry	
Aroclor-1232	11141-16-5	23.2	<23.2	ug/kg dry	
Aroclor-1242	53469-21-9	23.2	<23.2	ug/kg dry	
Aroclor-1248	12672-29-6	23.2	<23.2	ug/kg dry	
Aroclor-1254	11097-69-1	23.2	30600	ug/kg dry	
Aroclor-1260	11096-82-5	23.2	<23.2	ug/kg dry	
Aroclor-1262	37324-23-5	23.2	<23.2	ug/kg dry	
Aroclor-1268	11100-14-4	23.2	<23.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	74	32.5-149	
Tetrachloro-m-xylene	877-09-8	73	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	108	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:33	Sample ID: B11/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-28 % Solid:91.17
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	1640	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	52	32.5-149	
Tetrachloro-m-xylene	877-09-8	52	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:32	Sample ID: B11/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-29 % Solid:87.13
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.5	<11.5	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.5	<11.5	ug/kg dry	
Aroclor-1232	11141-16-5	11.5	<11.5	ug/kg dry	
Aroclor-1242	53469-21-9	11.5	<11.5	ug/kg dry	
Aroclor-1248	12672-29-6	11.5	<11.5	ug/kg dry	
Aroclor-1254	11097-69-1	11.5	119	ug/kg dry	
Aroclor-1260	11096-82-5	11.5	<11.5	ug/kg dry	
Aroclor-1262	37324-23-5	11.5	<11.5	ug/kg dry	
Aroclor-1268	11100-14-4	11.5	<11.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	59	32.5-149	
Tetrachloro-m-xylene	877-09-8	56	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:40	Sample ID: B11/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-30 % Solid:86.07
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.6	<11.6	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	11.6	50.1	ug/kg dry	
Aroclor-1260	11096-82-5	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	60	32.5-149	
Tetrachloro-m-xylene	877-09-8	58	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:42	Sample ID: B11/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-31 % Solid:88.80
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	18.6	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	59	32.5-149	
Tetrachloro-m-xylene	877-09-8	57	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 09:45	Sample ID: B11/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-32 % Solid:88.30
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	37.2	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	59	32.5-149	
Tetrachloro-m-xylene	877-09-8	55	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	106	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:00	Sample ID: B12/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-33 % Solid:88.50
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	8160	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	83	32.5-149	
Tetrachloro-m-xylene	877-09-8	83	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	112	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:05	Sample ID: B12/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-34 % Solid:89.96
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	1380	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	61	32.5-149	
Tetrachloro-m-xylene	877-09-8	81	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	125	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:08	Sample ID: B12/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-35 % Solid:90.48
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	34.8	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	45	32.5-149	
Tetrachloro-m-xylene	877-09-8	43	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	105	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:10	Sample ID: B12/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-36 % Solid:91.17
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	16.0	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	52	32.5-149	
Tetrachloro-m-xylene	877-09-8	52	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:20	Sample ID: B12/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-37 % Solid:95.52
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.5	<10.5	ug/kg dry	4.M
Aroclor-1221	11104-28-2	10.5	<10.5	ug/kg dry	
Aroclor-1232	11141-16-5	10.5	<10.5	ug/kg dry	
Aroclor-1242	53469-21-9	10.5	<10.5	ug/kg dry	
Aroclor-1248	12672-29-6	10.5	<10.5	ug/kg dry	
Aroclor-1254	11097-69-1	10.5	525	ug/kg dry	
Aroclor-1260	11096-82-5	10.5	<10.5	ug/kg dry	
Aroclor-1262	37324-23-5	10.5	<10.5	ug/kg dry	
Aroclor-1268	11100-14-4	10.5	<10.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	54	32.5-149	
Tetrachloro-m-xylene	877-09-8	53	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	111	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:25	Sample ID: B12/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-38 % Solid:95.42
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.5	<10.5	ug/kg dry	4.M
Aroclor-1221	11104-28-2	10.5	<10.5	ug/kg dry	
Aroclor-1232	11141-16-5	10.5	<10.5	ug/kg dry	
Aroclor-1242	53469-21-9	10.5	<10.5	ug/kg dry	
Aroclor-1248	12672-29-6	10.5	<10.5	ug/kg dry	
Aroclor-1254	11097-69-1	10.5	17.6	ug/kg dry	
Aroclor-1260	11096-82-5	10.5	<10.5	ug/kg dry	
Aroclor-1262	37324-23-5	10.5	<10.5	ug/kg dry	
Aroclor-1268	11100-14-4	10.5	<10.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	58	32.5-149	
Tetrachloro-m-xylene	877-09-8	57	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:30	Sample ID: B12/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-39 % Solid:95.41
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.5	<10.5	ug/kg dry	4.M
Aroclor-1221	11104-28-2	10.5	<10.5	ug/kg dry	
Aroclor-1232	11141-16-5	10.5	<10.5	ug/kg dry	
Aroclor-1242	53469-21-9	10.5	<10.5	ug/kg dry	
Aroclor-1248	12672-29-6	10.5	<10.5	ug/kg dry	
Aroclor-1254	11097-69-1	10.5	44.2	ug/kg dry	
Aroclor-1260	11096-82-5	10.5	<10.5	ug/kg dry	
Aroclor-1262	37324-23-5	10.5	<10.5	ug/kg dry	
Aroclor-1268	11100-14-4	10.5	<10.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	56	32.5-149	
Tetrachloro-m-xylene	877-09-8	54	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/15/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:40	Sample ID: B13/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-40 % Solid:89.56
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.2	<11.2	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.2	<11.2	ug/kg dry	
Aroclor-1232	11141-16-5	11.2	<11.2	ug/kg dry	
Aroclor-1242	53469-21-9	11.2	<11.2	ug/kg dry	
Aroclor-1248	12672-29-6	11.2	<11.2	ug/kg dry	
Aroclor-1254	11097-69-1	11.2	27600	ug/kg dry	
Aroclor-1260	11096-82-5	11.2	<11.2	ug/kg dry	
Aroclor-1262	37324-23-5	11.2	<11.2	ug/kg dry	
Aroclor-1268	11100-14-4	11.2	<11.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	95	32.5-149	
Tetrachloro-m-xylene	877-09-8	93	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:45	Sample ID: B13/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-41 % Solid:88.44
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	13600	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	56	32.5-149	
Tetrachloro-m-xylene	877-09-8	50	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:48	Sample ID: B13/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-42 % Solid:89.77
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	1310	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	47	32.5-149	
Tetrachloro-m-xylene	877-09-8	45	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:50	Sample ID: B13/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-43 % Solid:89.70
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	180	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	60	32.5-149	
Tetrachloro-m-xylene	877-09-8	58	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:52	Sample ID: B13/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-44 % Solid:90.98
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	32.4	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	62	32.5-149	
Tetrachloro-m-xylene	877-09-8	59	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 10:54	Sample ID: B13/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-45 % Solid:88.24
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.3	<11.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	11.3	30.2	ug/kg dry	
Aroclor-1260	11096-82-5	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	51	32.5-149	
Tetrachloro-m-xylene	877-09-8	48	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	115	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:00	Sample ID: B13/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-46 % Solid:69.75
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	14.3	<14.3	ug/kg dry	4.M
Aroclor-1221	11104-28-2	14.3	<14.3	ug/kg dry	
Aroclor-1232	11141-16-5	14.3	<14.3	ug/kg dry	
Aroclor-1242	53469-21-9	14.3	<14.3	ug/kg dry	
Aroclor-1248	12672-29-6	14.3	<14.3	ug/kg dry	
Aroclor-1254	11097-69-1	14.3	41.9	ug/kg dry	
Aroclor-1260	11096-82-5	14.3	<14.3	ug/kg dry	
Aroclor-1262	37324-23-5	14.3	<14.3	ug/kg dry	
Aroclor-1268	11100-14-4	14.3	<14.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	55	32.5-149	
Tetrachloro-m-xylene	877-09-8	52	58.7-131	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	109	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:15	Sample ID: B14/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-47 % Solid:82.05
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.2	<12.2	ug/kg dry	4.M
Aroclor-1221	11104-28-2	12.2	<12.2	ug/kg dry	
Aroclor-1232	11141-16-5	12.2	<12.2	ug/kg dry	
Aroclor-1242	53469-21-9	12.2	<12.2	ug/kg dry	
Aroclor-1248	12672-29-6	12.2	<12.2	ug/kg dry	
Aroclor-1254	11097-69-1	12.2	786	ug/kg dry	
Aroclor-1260	11096-82-5	12.2	<12.2	ug/kg dry	
Aroclor-1262	37324-23-5	12.2	<12.2	ug/kg dry	
Aroclor-1268	11100-14-4	12.2	<12.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	77	32.5-149	
Tetrachloro-m-xylene	877-09-8	75	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:17	Sample ID: B14/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-48 % Solid:86.16
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.6	<11.6	ug/kg dry	
Aroclor-1221	11104-28-2	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	11.6	269	ug/kg dry	
Aroclor-1260	11096-82-5	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	128	32.5-149	
Tetrachloro-m-xylene	877-09-8	130	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	94	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:20	Sample ID: B14/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-49 % Solid:86.06
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.6	<11.6	ug/kg dry	
Aroclor-1221	11104-28-2	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	11.6	<11.6	ug/kg dry	
Aroclor-1260	11096-82-5	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	82	32.5-149	
Tetrachloro-m-xylene	877-09-8	87	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:22	Sample ID: B14/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-50 % Solid:85.17
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.7	<11.7	ug/kg dry	
Aroclor-1221	11104-28-2	11.7	<11.7	ug/kg dry	
Aroclor-1232	11141-16-5	11.7	<11.7	ug/kg dry	
Aroclor-1242	53469-21-9	11.7	<11.7	ug/kg dry	
Aroclor-1248	12672-29-6	11.7	<11.7	ug/kg dry	
Aroclor-1254	11097-69-1	11.7	39.5	ug/kg dry	
Aroclor-1260	11096-82-5	11.7	<11.7	ug/kg dry	
Aroclor-1262	37324-23-5	11.7	<11.7	ug/kg dry	
Aroclor-1268	11100-14-4	11.7	<11.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	87	32.5-149	
Tetrachloro-m-xylene	877-09-8	91	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:25	Sample ID: B14/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-51 % Solid:92.43
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.8	<10.8	ug/kg dry	
Aroclor-1221	11104-28-2	10.8	<10.8	ug/kg dry	
Aroclor-1232	11141-16-5	10.8	<10.8	ug/kg dry	
Aroclor-1242	53469-21-9	10.8	<10.8	ug/kg dry	
Aroclor-1248	12672-29-6	10.8	<10.8	ug/kg dry	
Aroclor-1254	11097-69-1	10.8	41.6	ug/kg dry	
Aroclor-1260	11096-82-5	10.8	<10.8	ug/kg dry	
Aroclor-1262	37324-23-5	10.8	<10.8	ug/kg dry	
Aroclor-1268	11100-14-4	10.8	<10.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	32.5-149	
Tetrachloro-m-xylene	877-09-8	93	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:30	Sample ID: B14/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-52 % Solid:90.35
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	122	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	32.5-149	
Tetrachloro-m-xylene	877-09-8	93	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	94	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:35	Sample ID: B15/S1
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-53 % Solid:85.61
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	35.0	<35.0	ug/kg dry	
Aroclor-1221	11104-28-2	35.0	<35.0	ug/kg dry	
Aroclor-1232	11141-16-5	35.0	<35.0	ug/kg dry	
Aroclor-1242	53469-21-9	35.0	<35.0	ug/kg dry	
Aroclor-1248	12672-29-6	35.0	<35.0	ug/kg dry	
Aroclor-1254	11097-69-1	35.0	2620	ug/kg dry	
Aroclor-1260	11096-82-5	35.0	<35.0	ug/kg dry	
Aroclor-1262	37324-23-5	35.0	<35.0	ug/kg dry	
Aroclor-1268	11100-14-4	35.0	<35.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	84	32.5-149	
Tetrachloro-m-xylene	877-09-8	90	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:37	Sample ID: B15/S2
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-54 % Solid:83.25
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	12.0	<12.0	ug/kg dry	
Aroclor-1221	11104-28-2	12.0	<12.0	ug/kg dry	
Aroclor-1232	11141-16-5	12.0	<12.0	ug/kg dry	
Aroclor-1242	53469-21-9	12.0	<12.0	ug/kg dry	
Aroclor-1248	12672-29-6	12.0	<12.0	ug/kg dry	
Aroclor-1254	11097-69-1	12.0	68.6	ug/kg dry	
Aroclor-1260	11096-82-5	12.0	<12.0	ug/kg dry	
Aroclor-1262	37324-23-5	12.0	<12.0	ug/kg dry	
Aroclor-1268	11100-14-4	12.0	<12.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	87	32.5-149	
Tetrachloro-m-xylene	877-09-8	91	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:40	Sample ID: B15/S3
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-55 % Solid:85.39
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.7	<11.7	ug/kg dry	
Aroclor-1221	11104-28-2	11.7	<11.7	ug/kg dry	
Aroclor-1232	11141-16-5	11.7	<11.7	ug/kg dry	
Aroclor-1242	53469-21-9	11.7	<11.7	ug/kg dry	
Aroclor-1248	12672-29-6	11.7	<11.7	ug/kg dry	
Aroclor-1254	11097-69-1	11.7	<11.7	ug/kg dry	
Aroclor-1260	11096-82-5	11.7	<11.7	ug/kg dry	
Aroclor-1262	37324-23-5	11.7	<11.7	ug/kg dry	
Aroclor-1268	11100-14-4	11.7	<11.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	32.5-149	
Tetrachloro-m-xylene	877-09-8	91	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:43	Sample ID: B15/S4
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-56 % Solid:89.85
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	11.1	<11.1	ug/kg dry	
Aroclor-1260	11096-82-5	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	77	32.5-149	
Tetrachloro-m-xylene	877-09-8	83	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:42	Sample ID: B15/S5
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-57 % Solid:90.91
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	<11.0	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	78	32.5-149	
Tetrachloro-m-xylene	877-09-8	80	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:44	Sample ID: B15/S6
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-58 % Solid:97.87
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.2	<10.2	ug/kg dry	
Aroclor-1221	11104-28-2	10.2	<10.2	ug/kg dry	
Aroclor-1232	11141-16-5	10.2	<10.2	ug/kg dry	
Aroclor-1242	53469-21-9	10.2	<10.2	ug/kg dry	
Aroclor-1248	12672-29-6	10.2	<10.2	ug/kg dry	
Aroclor-1254	11097-69-1	10.2	<10.2	ug/kg dry	
Aroclor-1260	11096-82-5	10.2	<10.2	ug/kg dry	
Aroclor-1262	37324-23-5	10.2	<10.2	ug/kg dry	
Aroclor-1268	11100-14-4	10.2	<10.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	74	32.5-149	
Tetrachloro-m-xylene	877-09-8	75	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 11:45	Sample ID: B15/S7
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-59 % Solid:94.79
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.5	<10.5	ug/kg dry	
Aroclor-1221	11104-28-2	10.5	<10.5	ug/kg dry	
Aroclor-1232	11141-16-5	10.5	<10.5	ug/kg dry	
Aroclor-1242	53469-21-9	10.5	<10.5	ug/kg dry	
Aroclor-1248	12672-29-6	10.5	<10.5	ug/kg dry	
Aroclor-1254	11097-69-1	10.5	<10.5	ug/kg dry	
Aroclor-1260	11096-82-5	10.5	<10.5	ug/kg dry	
Aroclor-1262	37324-23-5	10.5	<10.5	ug/kg dry	
Aroclor-1268	11100-14-4	10.5	<10.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	32.5-149	
Tetrachloro-m-xylene	877-09-8	92	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 03/15/2019

Preparation Method: EPA 3545 A

Date Analyzed: 03/16/2019

Analytical Method: EPA 8082 A

Client: Soil Mechanics	Client ID: 4380 Bullard Ave, Bronx
Date (Time) Collected: 03/13/2019 12:06	Sample ID: B15/S8
Date (Time) Received: 03/13/2019 20:16	Laboratory ID: 9031375-60 % Solid:93.58
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	10.7	<10.7	ug/kg dry	
Aroclor-1221	11104-28-2	10.7	<10.7	ug/kg dry	
Aroclor-1232	11141-16-5	10.7	<10.7	ug/kg dry	
Aroclor-1242	53469-21-9	10.7	<10.7	ug/kg dry	
Aroclor-1248	12672-29-6	10.7	<10.7	ug/kg dry	
Aroclor-1254	11097-69-1	10.7	<10.7	ug/kg dry	
Aroclor-1260	11096-82-5	10.7	<10.7	ug/kg dry	
Aroclor-1262	37324-23-5	10.7	<10.7	ug/kg dry	
Aroclor-1268	11100-14-4	10.7	<10.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	59	32.5-149	
Tetrachloro-m-xylene	877-09-8	59	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 03/15/2019

Date Analyzed: 03/16/2019

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Data Qualifiers Key Reference:

3.A	Reporting limit raised due to matrix interference.
3.E	Compound reported at a dilution factor.
4.D	Surrogate recovery has failed low.
4.E	Surrogate recovery has failed high.
4.G	Spike recovery out of range due to matrix interference.
4.M	LCS recovery was above QC acceptance limit.
4.N	LCS recovery was below QC acceptance limit.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation

SOIL MECHANICS

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CHAIN OF CUSTODY

9031375

ANALYSIS REQUIRED

LABORATORY: LIAL

PROJECT NAME: BRONX

PROJECT NO. 18-340

PROJECT LOCATION 4380 BULLARD AVE

SAMPLE I.D. NUMBER	DATE	TIME	COMP.	GRAB	MATRIX	SAMPLE LOCATION	NUMBER OF CONTAINERS	PCBs EPA 8082A							ADDITIONAL REQUIREMENTS
B-8/S-1	3/13/19	800	✓		SOIL	0-2'	1	✓			9031375			-01	PCBs EPA 8082A
B-8/S-2	"	802	✓		"	2-4'	1	✓						-02	Aroclor-1016
B-8/S-3		805	✓			4-6'	1	✓						-03	Aroclor-1221
B-8/S-4		808	✓			6-8'	1	✓						-04	Aroclor-1232
B-8/S-5		810	✓			8-10'	1	✓						-05	Aroclor-1242
B-8/S-6		812	✓			10-12'	1	✓						-06	Aroclor-1248
B-8/S-7		814	✓			12-14'	1	✓						-07	Aroclor-1254
B-8/S-8		815	✓			14-16'	1	✓						-08	Aroclor-1260
B-8/S-9		818	✓			16-18'	1	✓						-09	
B-8/S-10		820	✓			18-19' REFUSAL @ 19'	1	✓						-10	
B-9/S-1	3/13/19	840	✓		SOIL	0-2	1	✓						-11	
B-9/S-2	"	841	✓		"	2-4	1	✓						-12	
B-9/S-3		842	✓			4-6	1	✓						-13	
B-9/S-4		843	✓			6-8	1	✓						-14	

REL. BY (SIG.) | DATE/TIME | AGENT OF: | REC'D BY: | DATE/TIME | AGENT:

PRINT. NME. | | | PRINT. NME. | | |

REL. BY (SIG.) | DATE/TIME 3/13/19 3:30 | RECEIVED FOR LAB BY: | DATE/TIME 3/13/19 3:30 | REMARKS: 4.0°C Results By 3/19-3/20

PRINT. NME. DANIEL MARZANO | | PRINT. NME. SMITH KURUC | |

SAMPLER (SIGNATURE) | SAMPLER NAME (PRINT) DANIEL MARZANO

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SOIL MECHANICS

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CHAIN OF CUSTODY

9031375

LABORATORY: LIAL

PROJECT NAME: Bronx

PROJECT LOCATION: 4380 Bullard Ave

PROJECT NO.: 18-340

ANALYSIS REQUIRED: PCB's EPA 8082A

SAMPLE I.D. NUMBER	DATE	TIME	COMP.	GRAB	MATRIX	SAMPLE LOCATION	NUMBER OF CONTAINERS	PCB's EPA 8082A	9031375	ADDITIONAL REQUIREMENTS
B-9/S-5	3/13/19	8:44	1		Soil	8-10'	1	✓	~~9031445~~-15	* (See B-8)
B-9/S-6	|	8:45	1		|	10-12'	1	✓	-16	|
B-9/S-7	|	8:46	1		|	12-14'	1	✓	-17	|
B-9/S-8	|	8:48	1		|	14-16'	1	✓	-18	|
B-9/S-9	|	8:50	1		|	16-18'	1	✓	-19	|
B-10/S-1	3/13/19	9:10	1		Soil	0-2'	1	✓	-20	|
B-10/S-2	|	9:12	1		|	2-4'	1	✓	-21	|
B-10/S-3	|	9:14	1		|	4-6'	1	✓	-22	|
B-10/S-4	|	9:15	1		|	6-8'	1	✓	-23	|
B-10/S-5	|	9:16	1		|	8-10'	1	✓	-24	|
B-10/S-6	|	9:18	1		|	10-12'	1	✓	-25	|
B-10/S-7	|	9:20	1		|	12-14'	1	✓	-26	|
B-11/S-1	3/13/19	9:30	1		Soil	0-2	1	✓	-27	|
B-11/S-2		9:33	1		|	2-4	1	✓	-28	|

REL. BY (SIG.): | DATE/TIME: | AGENT OF: | REC'D BY: | DATE/TIME: | AGENT:

PRINT. NME: | PRINT. NME:

REL. BY (SIG.): | DATE/TIME: 3/13/19 3:30 | RECEIVED FOR LAB BY: [signature] | DATE/TIME: 3/13/19 3:30 | REMARKS: 4.0°C

PRINT. NME: Daniel Marzano | PRINT. NME: Sean [illegible]

SAMPLER (SIGNATURE): [signature] | SAMPLER NAME (PRINT): Daniel Marzano

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SOIL MECHANICS

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9031375

CHAIN OF CUSTODY

LABORATORY: LEAL

PROJECT NAME: BRONX

PROJECT NO. 18-340

PROJECT LOCATION 4380 BULLARD AVE

ANALYSIS REQUIRED

SAMPLE I.D. NUMBER	DATE	TIME	COMP.	GRAB	MATRIX	SAMPLE LOCATION	NUMBER OF CONTAINERS	PCBS EPA 8082A	9031375	ADDITIONAL REQUIREMENTS
B-11/S-3	3/13/19	932	1		SOIL	4-6'	1	✓	-29	* (See B-8)
B-11/S-4		940	1			6-8'	1	✓	-30	
B-11/S-5		942	1			8-10'	1	✓	-31	
B-11/S-6		945	1			10-12'	1	✓	-32	
B-12/S-1	3/13/19	1000			SOIL	0-2'	1	✓	-33	
B-12/S-2		1005	1			2-4	1	✓	-34	
B-12/S-3		1008	1			4-6'	1	✓	-35	
B-12/S-4		1010	1			6-8'	1	✓	-36	
B-12/S-5		1020	1			8-10'	1	✓	-37	
B-12/S-6		1025	1			10-12'	1	✓	-38	
B-12/S-7		1030	1			12-14'	1	✓	-39	
B-13/S-1	3/13/19	1040	1		SOIL	0-2'	1	✓	-40	
B-13/S-2		1045	1			2-4'	1	✓	-41	
B-13/S-3		1048	1			4-6'	1	✓	-42	

REL. BY (SIG.)	DATE/TIME	AGENT OF:	REC'D BY:	DATE/TIME	AGENT:
PRINT. NME			PRINT. NME		
REL. BY (SIG.)	DATE/TIME 3/13/19 5:30	RECEIVED FOR LAB BY:	DATE/TIME 3/13/19 5:30	REMARKS: 4.0°C	
PRINT. NME DANIEL MARZANO		PRINT. NME SEMIH KURUL			
SAMPLER (SIGNATURE)		SAMPLER NAME (PRINT) DANIEL MARZANO			

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SOIL MECHANICS

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CHAIN OF CUSTODY

9031375

LABORATORY: LEAL

PROJECT NAME: BRONX

PROJECT NO. 18-340

PROJECT LOCATION 4380 BULLARD AVE

ANALYSIS REQUIRED

SAMPLE I.D. NUMBER	DATE	TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	NUMBER OF CONTAINERS	PCBS 8082A	9031375	ADDITIONAL REQUIREMENTS
B-13/S-4	3/13/19	10:50	1		SOIL	6-8'	1	✓	-43	* (See B-8)
B-13/S-5		10:52	1			8-10'	1	✓	-44	
B-13/S-6		10:54	1			10-12'	1	✓	-45	
B-13/S-7		11:00	1			12-14'	1	✓	-46	
B-14/S-1	3/13/19	11:15	1		SOIL	0-2'	1	✓	-47	
B-14/S-2		11:17	1			2-4'	1	✓	-48	
B-14/S-3		11:20	1			4-6'	1	✓	-49	
B-14/S-4		11:22	1			6-8'	1	✓	-50	
B-14/S-5		11:25	1			8-10'	1	✓	-51	
B-14/S-6		11:30	1			10-12'	1	✓	-52	
B-15/S-1	3/13/19	11:35	1		SOIL	0-2'	1	✓	-53	
B-15/S-2		11:37	1			2-4'	1	✓	-54	
B-15/S-3		11:40	1			4-6'	1	✓	-55	
B-15/S-4		11:43	1			6-8'	1	✓	-56	

REL. BY (SIG.)	DATE/TIME	AGENT OF:	REC'D BY:	DATE/TIME	AGENT:
PRINT. NME.			PRINT. NME.		
REL. BY (SIG.)	DATE/TIME 3/13/19 3:30	RECEIVED FOR LAB BY:	DATE/TIME 3/13/19 3:30	REMARKS:	
PRINT. NME. DANIEL MARZANO		PRINT. NME. SEMIT KURU			
SAMPLER (SIGNATURE)		SAMPLER NAME (PRINT) DANIEL MARZANO		4.0 °C	

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SOIL MECHANICS

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9031375

CHAIN OF CUSTODY

LABORATORY: L-FAL

PROJECT NAME: Bronx

PROJECT LOCATION 4380 Bullard Ave

PROJECT NO. 18-340

ANALYSIS REQUIRED: PCB's EPA 8082A; 9031375

SAMPLE I.D. NUMBER	DATE	TIME	COMP.	GRAB	MATRIX	SAMPLE LOCATION	NUMBER OF CONTAINERS	PCB's EPA 8082A	9031375	ADDITIONAL REQUIREMENTS
B-15/S-5	3/13/19	11:42	1		Soil	8-10'	1	✓	-57	* (See B-8)
B-15/S-6	|	11:44	1		|	10-12'	1	✓	-58	
B-15/S-7	|	11:45	1		|	12-14'	1	✓	-59	
B-15/S-8	|	12:00	1		|	14-16'	1	✓	-60	

REL. BY (SIG.) | DATE/TIME | AGENT OF: | REC'D BY: | DATE/TIME | AGENT:

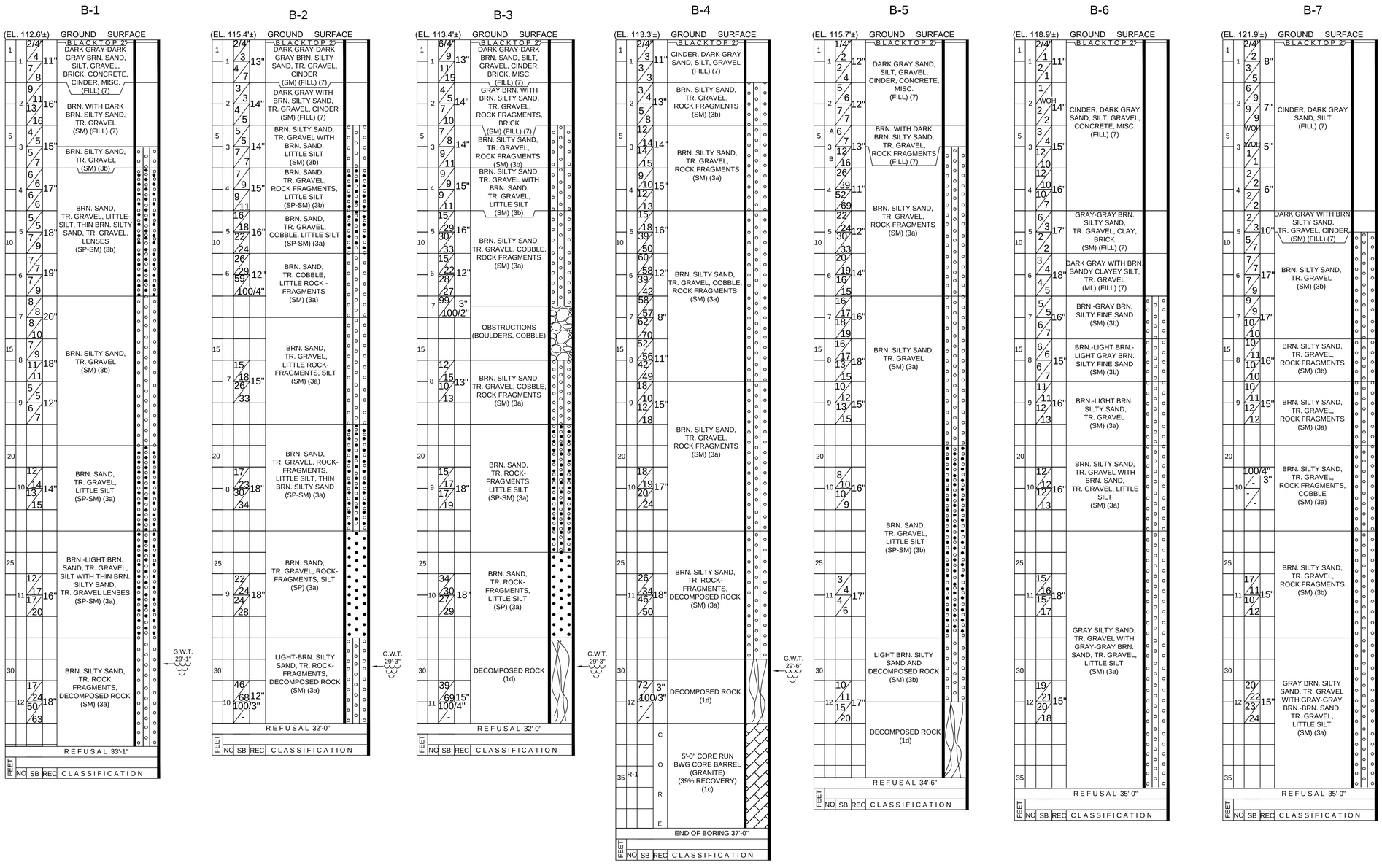
PRINT NME | PRINT NME

REL. BY (SIG.) | DATE/TIME 3/13/19 3:30 | RECEIVED FOR LAB BY: [signature] | DATE/TIME 3/13/19 3:3? | REMARKS: 4.0°C

PRINT NME Daniel Marzano | PRINT NME Semih Kuruc

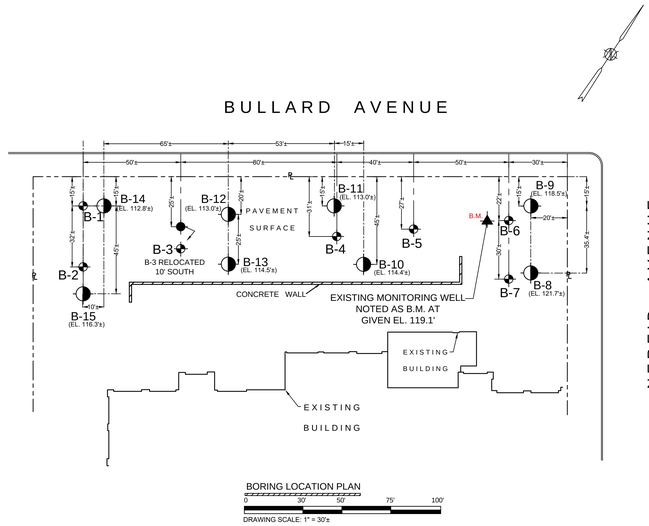
SAMPLER (SIGNATURE) [signature] | SAMPLER NAME (PRINT) Daniel Marzano

VENDOR COPY



NOTES

1. SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. GROUND WATER TABLE WHERE ENCOUNTERED WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
4. SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
6. SOIL TEST BORING GROUND SURFACE ELEVATIONS SHOWN ARE REFERENCED TO TOP OF EXISTING MONITORING WELL AT GIVEN B.M. EL. 119.1'.
7. SOIL TEST BORINGS DRILLED IN ACCORD WITH THE NEW YORK CITY BUIDING CODE.
8. ⊕ B-8 THRU B-15 DENOTES ENVIRONMENTAL SOIL TEST BORING LOCATIONS.



UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
1a THRU 1d	BED ROCK
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 and 3) ★	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 and 7) ★		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL and GRAVEL (GW, GP) (NOTES 3, 4, 8, and 9) ★		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, and 9) ★		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, and 9)★		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML and MH) (NOTES 4, 8, and 9) ★		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS and VARVED SILTS	SEE 1804.2.1 ★	SEE 1804.2.1 ★
7. CONTROLLED and UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ★	SEE 1804.2.2 OR 1804.2.3 ★

★REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BLDG. CODE FOR ADDITIONAL INFORMATION

COMPACTION RELATED TO SPOON BLOWS/FOOT

SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 31	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

"N" STANDARD PENETRATION TEST-ASTM 1586 (2" SPOON, 140lb. HAMMER, 30" FALL)

N=17 BLOWS PER FOOT

SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 12"DRIVE,TO OBTAIN BLOWS PER FOOT(N) USE 2ND & 3RD 0" INCREMENT

	ROTARY CASING	X-HEAVY CASING	SPOON
SIZE, INCHES	2.5		2.0
HAMMER WEIGHT, LBS.	———		140
HAMMER FALL, INCHES	———		30

CB - CASING BLOWS PER 1 FOOT DRIVE.
SB - SPOON BLOWS PER 6 INCH DRIVE.
P - PUSHED BY WEIGHT OF HAMMER.
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND.SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER
REC - SOIL RECOVERY IN INCHES

PROJECT:
4380 BULLARD AVENUE
PARKING LOT AREA
BRONX, NEW YORK

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 221 - 2333

SUBSURFACE INVESTIGATION
4380 BULLARD AVENUE
PARKING LOT AREA
BRONX, NEW YORK

BORING PLAN
(Subsurface Investigation)

VERTICAL BORING SCALE:	DRAWING DATE:			DRAWING NUMBER
1/2" = 1'-0" ±	MARCH 13, 2019			18L340.15
DATES OF BORINGS:	DRAWN BY:	CHECKED BY:	REVISED DATE:	SHEET 1 OF 1
JULY 30 & 31, 2018	NAR	CV		

SEAL & SIGNATURE:

DATE: MARCH 13, 2019
PROJECT No. 18L340.15
DRAWING BY: NAR
CHECKED BY: CV
DWG No.
B-001.00
CAD FILE No: Z: 18L340.15

Z: 18LDWGS/18L340.15