

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Commercial Soil Cleanup Objectives
Volatile Organics			
Acetone	0.05	100	500
Semi-Volatiles			
Benzo(a)anthracene	1	1	5.6
Benzo(a)pyrene	1	1	1
Benzo(b)fluoranthene	1	1	5.6
Benzo(k)fluoranthene	0.8	3.9	56
Chrysene	1	3.9	56
Dibenzo(a,h)anthracene	0.33	0.33	0.56
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6
Pesticides			
4,4'-DDD	0.0033	13	92
4,4'-DDE	0.0033	8.9	62
4,4'-DDT	0.0033	7.9	47
Metals			
Barium	350	400	400
Cadmium	2.5	4.3	9.3
Chromium	30	180	1500
Copper	50	270	270
Lead	63	400	1000
Manganese	1600	2000	10000
Mercury	0.18	0.81	2.8
Nickel	30	310	310
Selenium	3.9	180	1500
Zinc	109	10000	10000
Polychlorinated Biphenyls (PCB)			
Total PCBs	0.1	1	1

Concentrations in mg/kg

mg/kg - Milligrams per kilogram

NYSDEC - New York State Department of Environmental Conservation

- No NYSDEC Part 375 Soil Cleanup Objectives available

J - Estimated value

DUP - Duplicate Sample

VOCs - Volatile Organic Compounds

SVOCs - Semivolatile Organic Compounds

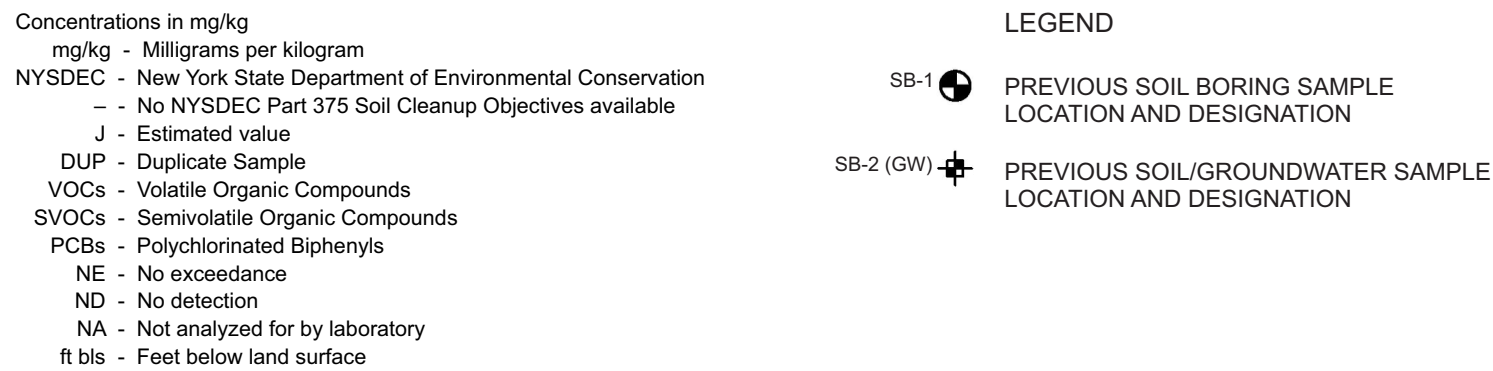
PCBs - Polychlorinated Biphenyls

NE - No exceedance

ND - No detection

NA - Not analyzed for by laboratory

ft bls - Feet below land surface



LEGEND

SB-1 ● PREVIOUS SOIL BORING SAMPLE
LOCATION AND DESIGNATIONSB-2 (GW) ⊕ PREVIOUS SOIL/GROUNDWATER SAMPLE
LOCATION AND DESIGNATION

SB-12(DPV)	1/6/2020	1/6/2020
Depth (ft bls)	14-15'	12-13'
Volatile Organics		
Acetone	NE	0.086
Semi-Volatiles		
Benzo(a)anthracene	NE	14.8 D
Benzo(a)pyrene	NE	12.1 D
Benzo(b)fluoranthene	NE	9.65 D
Benzo(k)fluoranthene	NE	9.46 D
Chrysene	NE	12.8 D
Dibenzo(a,h)anthracene	NE	2.69 D
Indeno(1,2,3-cd)pyrene	NE	5.91 D
Pesticides		
4,4'-DDE	0.0293 D	NE
4,4'-DDT	0.0391 D	NE
Metals		
Copper	NE	198
Lead	663	521
Mercury	NE	1.71
Zinc	NE	332
Polychlorinated Biphenyls (PCB)	NE	NE

SB-1	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	21'-23'
Metals		
Copper	106	NE
Lead	398	150
Mercury	0.395	0.457
Zinc	375	129
Pesticides		
4,4'-DDT	0.00819 D	ND

SB-13(DPV)	1/6/2020	
Depth (ft bls)	3'-4'	
Volatile Organics	NE	
Semi-Volatiles	NE	
Indeno(1,2,3-cd)pyrene	0.524 D	
Pesticides	NE	
Metals		
Copper	359	
Lead	492	
Mercury	2.29	
Nickel	31.3	
Zinc	493	
Polychlorinated Biphenyls (PCB)	NE	

SB-07(DPV)	1/3/2020	1/3/2020
Depth (ft bls)	9'-10'	10'-11'
Volatile Organics	NE	NE
Semi-Volatiles	NE	NE
Pesticides	NE	NE
Metals	NE	NE
Copper	NE	1190
Polychlorinated Biphenyls (PCB)	NE	NE

SB-4	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	17'-19'
VOCs		
Acetone	NE	0.074
Metals		
Barium	938	NE
Lead	397	NE
Mercury	0.809	ND
Zinc	210	NE
Polychlorinated Biphenyls (PCB)		
Total PCBs	4.97 D	ND

SB-05(DPV)	1/2/2020	1/2/2020
Depth (ft bls)	2'-3'	9'-10'
Volatile Organics	NE	NE
Semi-Volatiles	NE	NE
Benzo(a)anthracene	NE	1.83 D
Benzo(a)pyrene	NE	1.88 D
Benzo(b)fluoranthene	NE	1.47 D
Benzo(k)fluoranthene	NE	1.46 D
Chrysene	NE	1.96 D
Dibenzo(a,h)anthracene	NE	0.399 D
Indeno(1,2,3-cd)pyrene	NE	1.19 D
Pesticides	NE	NE
Metals	NE	NE
Chromium	NE	33.6
Copper	NE	279
Lead	NE	242
Mercury	NE	0.498
Zinc	NE	329
Polychlorinated Biphenyls (PCB)	NE	NE

SB-6	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	10'-12'
VOCs		
Acetone	0.11	0.14
SVOCs		
Benzo(a)anthracene	1.05 D	NE
Benzo(a)pyrene	1.1 D	NE
Benzo(b)fluoranthene	NE	NE
Benzo(k)fluoranthene	0.903 D	NE
Chrysene	1.09 D	NE
Dibenzo(a,h)anthracene	NE	NE
Indeno(1,2,3-cd)pyrene	0.515 D	NE
Metals		
Barium	NE	879
Lead	328	92.2
Mercury	0.286	NE
Nickel	NE	47.2
Zinc	262	232
Pesticides		
4,4'-DDT	0.00469 D	ND

SB-03(DPV)	12/31/2019	12/31/2019	1/2/2020
Depth (ft bls)	7'-8'	9'-10'	11'-12'
Volatile Organics	NE	NE	NE
Semi-Volatiles	NE	NE	NE
Pesticides	NE	NE	NE
Metals	NE	NE	NE
Copper	114	NE	NE
Lead	232	NE	NE
Selenium	5.7	NE	NE
Zinc	166	NE	NE
Polychlorinated Biphenyls (PCB)	NE	NE	NE

SB-2	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	21'-23'
SVOCs		
Benzo(a)anthracene	1.22 D	NE
Benzo(a)pyrene	1.27 D	NE
Benzo(b)fluoranthene	1.03 D	NE
Benzo(k)fluoranthene	1.09 D	NE
Chrysene	1.27 D	NE
Dibenzo(a,h)anthracene	NE	NE
Indeno(1,2,3-cd)pyrene	0.589 D	NE
Metals		
Barium	875	495
Lead	109	NE
Zinc	259	117
Pesticides		
4,4'-DDT	0.00684 DP	0.0107 D

SB-01(DPV)	12/30/2019	
Depth (ft bls)	2'-3'	
Volatile Organics	NE	
Semi-Volatiles	NE	
Pesticides	NE	
Metals	NE	
Polychlorinated Biphenyls (PCB)	NE	

SB-02(DPV)	12/30/2019	12/30/2019
Depth (ft bls)	4'-5'	6'-7'
Volatile Organics	NE	NE
Semi-Volatiles	NE	NE
Pesticides	NE	NE
Metals	NE	NE
Polychlorinated Biphenyls (PCB)	NE	NE

SB-05	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	10'-12'
VOCs		
Acetone	NE	0.17

SB-04(DPV)	1/2/2020	1/2/2020
Depth (ft bls)	13-14'	15-16'
Volatile Organics	NE	NE
Semi-Volatiles		
Benzo(a)anthracene	NE	2.27 D
Benzo(a)pyrene	NE	2.07 D
Benzo(b)fluoranthene	NE	1.65 D
Benzo(k)fluoranthene	NE	1.64 D
Chrysene	NE	2.28 D
Dibenzo(a,h)anthracene	NE	0.459 JD
Indeno(1,2,3-cd)pyrene	NE	1.320 D
Pesticides	NE	NE
Metals		
Copper	NE	70.4
Lead	165	268
Mercury	NE	0.249
Zinc	NE	252
Polychlorinated Biphenyls (PCB)	NE	NE

SB-08(DPV)	1/3/2020	1/3/2020
Depth (ft bls)	11-12'	13-14'
Volatile Organics	NE	NE
Semi-Volatiles	NE	NE
Pesticides	NE	NE
Metals		
Lead	NE	67.9
Mercury	NE	0.424
Polychlorinated Biphenyls (PCB)	NE	NE

SB-3	8/10/2018	
Depth (ft bls)	0'-2'	
Metals		
Barium	509	
Copper	54.7	
Lead	285	
Mercury	0.474	
Nickel	32.4	
Zinc	201	
Polychlorinated Biphenyls		
Total PCBs	9.11 D	

SB-7	8/10/2018	8/10/2018
Depth (ft bls)	0'-2'	10'-12'
VOCs		
Acetone	NE	0.099
SVOCs		
Benzo(a)anthracene	5.77 D	1.1 D
Benzo(a)pyrene	5.64 D	1.32 D
Benzo(b)fluoranthene	4.48 D	NE
Benzo(k)fluoranthene	4.59 D	0.928 D
Chrysene	6.09 D	1.21 D
Dibenzo(a,h)anthracene	1.89 D	0.218 D
Indeno(1,2,3-cd)pyrene	2.84 D	0.538 D
Metals		
Copper	103	98.6
Lead	358	338
Mercury	0.694	0.583
Zinc	253	210
Polychlorinated Biphenyls		
Total PCBs	0.109	ND
Pesticides		
4,4'-DDT	0.0114 D	ND

SB-10(DPV)	1/6/2020	1/6/2020
Depth (ft bls)	4'-5'	6'-7'
Volatile Organics	NE	NE
Semi-Volatiles		
Indeno(1,2,3-cd)pyrene	NE	0.0732 J
Pesticides		
4,4'-DDD	0.00582 D	NE
4,4'-DDT	0.0293 D	NE
Metals		
Lead	85.8	67
Mercury	0.266	NE
Polychlorinated Biphenyls (PCB)	NE	NE

NOTES

- SOIL BORINGS WITH THE DESIGNATIONS SB-1 THROUGH SB-8 WERE COLLECTED BY GEI CONSULTANTS, INC. P.C.
- SOIL BORINGS WITH DESIGNATIONS SB-1(DPV) THROUGH SB-13(DPV) WERE COLLECTED BY DPV CONSULTANTS, INC. IN DECEMBER 2019 - JANUARY 2020. NOTE THAT ROUX ADDED THE SUFFIX "DPV" TO THESE SOIL BORING DESIGNATIONS TO DIFFERENTIATE THEM FROM THE SAMPLES PREVIOUSLY COLLECTED BY GEI WITH SIMILAR DESIGNATIONS.

SOURCE:

- PLAN BASED ON MAP PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC

Title:

SUMMARY OF EXCEEDANCES
IN SOIL580 GERARD AVENUE
BRONX, NEW YORK

Prepared for:

SB GERARD AVENUE, LLC

ROUX

Compiled by: R.K.

Date: 08MAY20

FIGURE

Prepared by: B.H.C..

Scale: AS SHOWN

Project Mgr: R.K.

Project: 3523.0001Y000

File: 3523.0001Y100.01.CDR

3