



Legend

- Site Boundary
- Lot Boundary
- Langan Soil Boring / Monitoring Well / Soil Vapor Sample Location
- Hillman Soil Boring Location
- Langan Soil Boring / Soil Vapor Sample Location
- Hillman Soil Boring / Monitoring Well Location
- Hillman Soil Boring / Soil Vapor Sample Location

Notes:

- Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use, Restricted Residential and Restricted Use Commercial Soil Cleanup Objectives (SCOs).
- Criterion concentrations for 3-4-methylphenol (m,p-Cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-Cresol) and 4-methylphenol (p-Cresol).
- Besides PCE, TCE, cis-1,2-dichloroethene, and vinyl chloride, only analytes exceeding regulatory criteria are shown in the figure.
- Detected analytical results above Unrestricted Use SCOs are bolded.
- Detected analytical results above Restricted Use Residential SCOs are shaded.
- Detected analytical results above Restricted Use Commercial SCOs are underlined.
- Sample SODUP01_020620, SODUP02_021020, and SODUP03_021120 are duplicate samples of SB-1, SB-6, SB-10, SB-12, SB-13, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, respectively.
- Regulatory limit for this analyte does not exist.
- bg/L = below grade surface.
- NE = Not Detected.
- ND = Not Detected.

Notes:

- Aerial imagery provided through Langan's subscription to NearMap, imagery dated 21 September 2019.
- Parcel boundaries provided through the New York City Department of Planning's MapPLUTO 20v1, last updated 2020.
- Langan monitoring well locations are based on locations surveyed by a licensed surveyor.
- Langan soil boring and soil vapor samples shown are approximate and based on field measurements, except for those converted to monitoring wells.
- Only analytical results detected at concentrations above the Part 375 SCOs are shown.
- Hillman locations are based on, "Figure 1 - Site Diagram" prepared by Hillman, dated June 2018.

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Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

1607 SURF AVENUE

BLOCK No. 7062, LOT No. 28

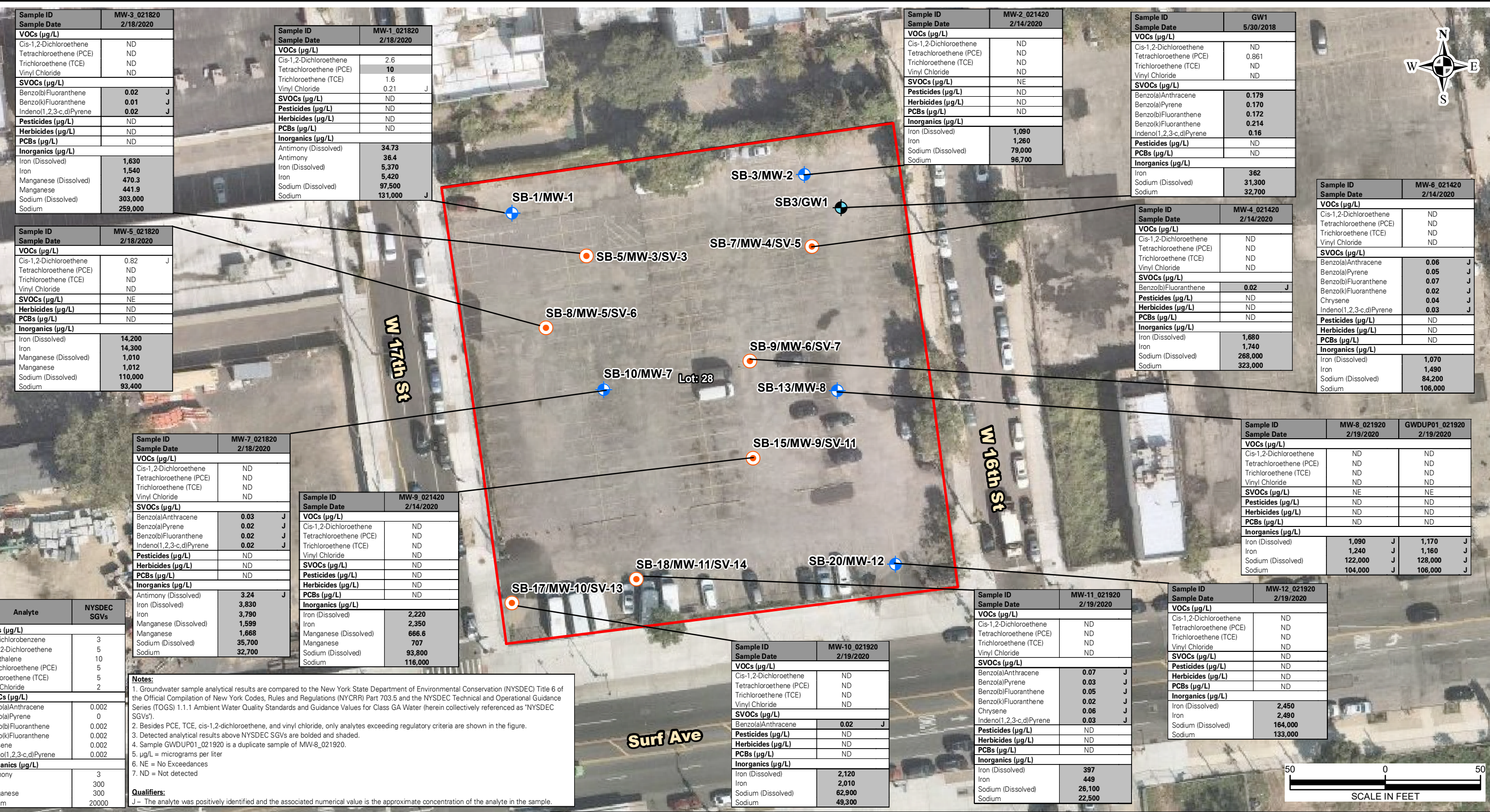
CONY ISLAND

BROOKLYN NEW YORK

Figure Title

SOIL SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No.	170599501	Figure	C-1
Date	7/1/2020		
Scale	1" = 50'		
Drawn By	IHB		
Submission Date			



Sample ID	MW-3_021820
Sample Date	2/18/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.02 J
Benzo(a)Pyrene	0.01 J
Benzo(b)Fluoranthene	0.02 J
Benzo(k)Fluoranthene	0.02 J
Indeno(1,2,3-c,d)Pyrene	0.02 J
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	1,630
Iron	1,540
Manganese (Dissolved)	470.3
Manganese	441.9
Sodium (Dissolved)	303,000
Sodium	259,000

Sample ID	MW-1_021820
Sample Date	2/18/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	2.6
Tetrachloroethene (PCE)	10
Trichloroethene (TCE)	1.6
Vinyl Chloride	0.21 J
SVOCs (µg/L)	
Benzo(a)Anthracene	ND
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Indeno(1,2,3-c,d)Pyrene	ND
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Antimony (Dissolved)	34.73
Antimony	36.4
Iron (Dissolved)	5,370
Iron	5,420
Manganese (Dissolved)	97,500
Manganese	131,000 J
Sodium (Dissolved)	
Sodium	

Sample ID	MW-2_021420
Sample Date	2/14/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	ND
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Indeno(1,2,3-c,d)Pyrene	ND
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	1,090
Iron	1,260
Manganese (Dissolved)	79,000
Manganese	96,700
Sodium (Dissolved)	
Sodium	

Sample ID	GW1
Sample Date	5/30/2018
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	0.861
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.179
Benzo(a)Pyrene	0.170
Benzo(b)Fluoranthene	0.172
Benzo(k)Fluoranthene	0.214
Indeno(1,2,3-c,d)Pyrene	0.16
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	362
Iron	31,300
Manganese (Dissolved)	
Manganese	32,700
Sodium (Dissolved)	
Sodium	

Sample ID	MW-6_021420
Sample Date	2/14/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.06 J
Benzo(a)Pyrene	0.05 J
Benzo(b)Fluoranthene	0.07 J
Benzo(k)Fluoranthene	0.02 J
Chrysene	0.04 J
Indeno(1,2,3-c,d)Pyrene	0.03 J
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	1,070
Iron	1,490
Manganese (Dissolved)	
Manganese	84,200
Sodium (Dissolved)	
Sodium	106,000

Sample ID	MW-5_021820
Sample Date	2/18/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	0.82 J
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	ND
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Indeno(1,2,3-c,d)Pyrene	ND
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	14,200
Iron	14,300
Manganese (Dissolved)	1,010
Manganese	1,012
Sodium (Dissolved)	110,000
Sodium	93,400

Sample ID	MW-7_021820
Sample Date	2/18/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.03 J
Benzo(a)Pyrene	0.02 J
Benzo(b)Fluoranthene	0.02 J
Benzo(k)Fluoranthene	0.02 J
Indeno(1,2,3-c,d)Pyrene	0.02 J
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Antimony (Dissolved)	3.24 J
Antimony	3,830
Iron (Dissolved)	3,790
Iron	3,790
Manganese (Dissolved)	1,599
Manganese	1,668
Sodium (Dissolved)	35,700
Sodium	32,700

Sample ID	MW-9_021420
Sample Date	2/14/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	ND
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Indeno(1,2,3-c,d)Pyrene	ND
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Antimony (Dissolved)	2,220
Antimony	2,350
Iron (Dissolved)	666.6
Iron	707
Manganese (Dissolved)	93,800
Manganese	116,000
Sodium (Dissolved)	
Sodium	

Sample ID	MW-10_021920
Sample Date	2/19/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.02 J
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Chrysene	0.06 J
Indeno(1,2,3-c,d)Pyrene	0.03 J
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	2,120
Iron	2,010
Manganese (Dissolved)	62,900
Manganese	49,300
Sodium (Dissolved)	
Sodium	

Sample ID	MW-11_021920
Sample Date	2/19/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	0.07 J
Benzo(a)Pyrene	0.03 J
Benzo(b)Fluoranthene	0.05 J
Benzo(k)Fluoranthene	0.02 J
Chrysene	0.06 J
Indeno(1,2,3-c,d)Pyrene	0.03 J
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	397
Iron	449
Manganese (Dissolved)	26,100
Manganese	22,500
Sodium (Dissolved)	
Sodium	

Sample ID	MW-12_021920
Sample Date	2/19/2020
VOCs (µg/L)	
Cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	ND
Trichloroethene (TCE)	ND
Vinyl Chloride	ND
SVOCs (µg/L)	
Benzo(a)Anthracene	ND
Benzo(a)Pyrene	ND
Benzo(b)Fluoranthene	ND
Benzo(k)Fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-c,d)Pyrene	ND
Pesticides (µg/L)	
Herbicides (µg/L)	ND
PCBs (µg/L)	
Inorganics (µg/L)	ND
Iron (Dissolved)	2,450
Iron	2,490
Manganese (Dissolved)	164,000
Manganese	133,000
Sodium (Dissolved)	
Sodium	

Analyte	NYSDEC SGVs
VOCs (µg/L)	
1,2-Dichlorobenzene	3
Cis-1,2-Dichloroethene	5
Naphthalene	10
Tetrachloroethene (PCE)	5
Trichloroethene (TCE)	5
Vinyl Chloride	2
SVOCs (µg/L)	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0
Benzo(b)Fluoranthene	0.002
Benzo(k)Fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-c,d)Pyrene	0.002
Inorganics (µg/L)	
Antimony	3
Iron	300
Manganese	300
Sodium	20000

Notes:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
- Besides PCE, TCE, cis-1,2-dichloroethene, and vinyl chloride, only analytes exceeding regulatory criteria are shown in the figure.
- Detected analytical results above NYSDEC SGVs are bolded and shaded.
- Sample GWDUP01_021920 is a duplicate sample of MW-8_021920.
- µg/L = micrograms per liter
- NE = No Exceedances
- ND = Not detected

Qualifiers:
 J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

Legend

- Site Boundary
- Langan Soil Boring / Monitoring Well Location
- Lot Boundary
- Langan Soil Boring / Monitoring Well/ Soil Vapor Sample Location
- Hillman Soil Boring / Monitoring Well Location

Notes:

- Aerial imagery provided through Langan's subscription to NearMap, imagery dated 21 September 2019.
- Parcel boundaries provided through the New York City Department of Planning's MapPLUTO 20v1, last updated 2020.
- Langan monitoring well locations are based on locations surveyed by a licensed surveyor.
- Only analytical results detected at concentrations above the NYSDEC SGVs are shown.
- Hillman locations are based on "Figure 1 - Site Diagram" prepared by Hillman, dated June 2018.

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

1607 SURF AVENUE

BLOCK No. 7062, LOT No. 28
 CONEY ISLAND
 NEW YORK

Figure Title

**GROUNDWATER
 SAMPLE LOCATION
 AND ANALYTICAL
 RESULTS MAP**

Project No.	170599501	Figure	C-2
Date	7/1/2020		
Scale	1" = 50'		
Drawn By	IHB		
Submission Date			



Legend

- Site Boundary
- Lot Boundary
- Langan Ambient Air Sample Location
- Hillman Soil Boring / Soil Vapor Sample Location
- Langan Soil Boring / Soil Vapor Sample Location

Notes:

- Aerial imagery provided through Langan's subscription to NearMap, imagery dated 21 September 2019.
- Parcel boundaries provided through the New York City Department of Planning's MapPLUTO 20v1, last updated 2020.
- Langan soil boring and soil vapor samples shown are approximate and based on field measurements, except for those converted to monitoring wells.
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Project

1607 SURF AVENUE

BLOCK No. 7062, LOT No. 28
CONEY ISLAND
NEW YORK

Figure Title

SOIL VAPOR SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No.	170599501	Figure	C-3
Date	7/1/2020		
Scale	1" = 50'		
Drawn By	IHB		
Submission Date			