Monthly Progress Report No. 4
Enclave on 241st Street Development
714 East 241st Street, Bronx, New York
Brownfield Cleanup Program Site #: C203077
Reporting Period: November 2015

1. Introduction

In accordance with Article XI – Progress Reports of the Brownfield Cleanup Agreement (BCA) for the above-referenced site, Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this monthly progress report, on behalf of Enclave on 241 Street, LLC ("Volunteer"), to summarize the work performed at 714 east 241st Street in the Wakefield section of the Bronx, New York (the "Site") during November 2015.

The Site (Block 5087, Lot 1) consists of an approximate 24,060-square-foot irregularly shaped lot and includes approximately 100 feet of frontage along White Plains Road, 185 feet of frontage along 241st Street, and 135 feet of frontage along Furman Avenue. The New York City Transit Authority (NYCTA) #2 rail corridor and station platform are allocated above grade along the northwestern property line. The Site contains three buildings including an approximate 1,086-square-foot one-story office building with basement, an approximate 3,375-square foot one-story former auto body shop building, and an approximate 1,500-square foot one-story former auto body shop building. The Site also contains asphalt- and concrete-paved exterior driving/parking areas and sparsely vegetated undeveloped area. The Site is subject to NYSDEC review under the Spills Program (Spill No. 12-14956).

A Site Location Map is attached to this progress report as Figure 1.

2. Remedial Actions Relative to the Site during this Reporting Period

As described in the October Monthly Progress Report, a Remedial Investigation (RI) was performed at the site by Langan in October 2015 in accordance with the NYSDEC approved Remediation Investigation Work Plan (RIWP) dated 6 February 2015 (approved 18 August 2015). The RI included the following:

- Advancement of 23 soil borings and installation of 9 monitoring wells & 11 soil vapor probes.
- Collection and submittal of 44 soil samples (plus QA/QC samples) for analysis of:
  - NYSDEC Part 375 Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), Metals, Polychlorinated Biphenyls (PCBs), and Pesticides.
- Collection of 10 groundwater samples (plus QA/QC samples) for analysis of:
  - NYSDEC Target Compound List (TCL) VOCs, SVOCs, and Target Analyte List (TAL) Metals (filtered and unfiltered)
- Collection of free product from monitoring well MW29 analysis of:
  - Petroleum Identification
- Collection of 11 soil vapor samples (plus QA/QC samples) for analysis of:
  - USEPA TO-15 VOCs

The RI analytical results are discussed briefly in Section 5. Draft RI tables; including, Sample Summary Table, Soil Sample Analytical Results, Groundwater Analytical Results, and Soil Vapor Analytical Results are attached as Tables 1, 2, 3, and 4, respectively. Draft RI Figures; including, RI Site Plan, Groundwater Isocontour Map, Soil Sample Locations & Results Map, Groundwater

Locations & Results Map, and Soil Vapor Locations & Results Map are attached as Figures 2, 3, 4, 5, and 6, respectively.

3. Actions Relative to the Site Anticipated for the Next Reporting Period

Enclave on 241 Street, LLC (the "Volunteer") is evaluating the possibility of purchasing additional/adjacent properties to the south of the project site in order to increase the footprint of the proposed building. Potential lot acquisitions include lot(s) 9, 55, and 58. Adjacent lot acquisitions may trigger the need to further investigation at previously uninvestigated lots. Preparation and submission of the Remediation Investigation Report (RIR) to NYSDEC is anticipated in December 2015.

4. Approved Activity Modifications (changes of work scope and/or schedule)

None in this period.

5. Results of Sampling, Testing and Other Relevant Data

Results from RI activities conducted in October 2015 are presented below:

Soil Analytical Summary

VOCs

Numerous VOCs, including; 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, acetone, benzene, ethyl benzene, methylene chloride, n-propylbenzene, toluene, and total xylenes were detected above the NYSDEC Unrestricted Use SCOs and Restricted Residential SCOs in multiple soil samples, including; SB08_9-10, SB09_9-10, SB09_13-14, SB19_4.5-5.5, SB19_9-10, SB22_8-9, SB22_10-11, and SB29_9-10. VOC impacts were primarily found in soil borings SB08, SB09, SB19, and SB22. These boring are generally located on the western and northwest portions of the Subject Property, in the vicinity of the USTs. VOC impacts were found to exist in soil samples collected at depths ranging from 8 to 11 feet bgs, which is in the vicinity of the groundwater interface.

SVOCs

Five SVOCs, including; benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and ideno(1,2,3-cd)pyrene were detected at concentrations above their Restricted-Residential SCOs, and two SVOCs, including benzo(k)fluoranthene and chrysene were detected at concentrations above their Unrestricted Use SCOs in SB23_8.5-9.5. The SVOC ideno(1,2,3-cd)pyrene was also detected above the Restricted-Residential SCOs in sample SB16_3-4 and above the Unrestricted Use SCOs in sample SB27_1-2. SVOC impacts were primarily found in soil boring SB23 (in the vicinity of the closed-in-place gasoline USTs) at depths of 8.5 to 9.5 bgs. SVOCs were also found in the historic fill of the site in soil borings SB27 and SB16 at depths ranging from 1 to 4 feet bgs.

PCBs

No PCBs were detected above the Unrestricted Use SCOs or the Restricted-Residential SCOs in soil samples collected.

Pesticides

No herbicides or pesticides were detected above the Unrestricted Use SCOs or the Restricted-Residential SCOs in soil samples collected.

Metals

Eight metals, including; barium, chromium, copper, lead, mercury, nickel, selenium, and zinc were detected at concentrations above their Unrestricted Use SCOs in 17 soil samples at 13 borings across the Subject Property. Lead was detected above the Restricted Residential SCO in soil borings SB07, SB12, SB15, SB21, SB25, SB26, SB27, and SB28 at depths ranging from 0.5 to 3.5 feet bgs. Barium and copper were also detected above the Restricted Residential SCO in soil boring SB15 at 2.5-3.5 feet bgs. Historical fill is the likely source of metals across the Subject Property.

A Soil Sample Analytical Results summary table is attached as Table 2 and a Soil Sample Locations and Results Map is attached as Figure 4.

Groundwater Analytical Summary

VOCs

VOCs, including; 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethyl benzene, isopropylbenzene, n-propylbenzene, o-xylene, p- & m- xylenes, p-isopropyltoluene, sec-butylbenzene, toluene, and total xylenes were detected in groundwater at concentrations above their NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA groundwater criteria at monitoring wells MW07, MW08, and MW19 which are located on the western and northwester portion of the Subject Property in the vicinity and hydraulically down gradient of the USTs. The VOC methyl ter-butyl ether (MTBE) was detected in groundwater above the TOGS SGVs in monitoring well MW07, which is located on the southern portion of the Subject Property, hydraulically down gradient of the USTs.

SVOCs

No SVOCs were detected above the TOGS SGVs in groundwater samples collected.

Dissolved Metals

Dissolved metals, including; magnesium, manganese, and sodium were detected in groundwater at concentrations above the TOGS SGVs criteria at monitoring wells MW07, MW11, MW13, MW15, MW16, and MW17 which are located throughout the Subject Property.

Metals

Metals, including; magnesium, manganese, and sodium were detected in groundwater at concentrations above the TOGS SGVs criteria at monitoring wells MW07, MW11, MW13, MW15, MW16, and MW17 which are located throughout the Subject Property. Concentrations of metals detected in groundwater were are similar concentrations as the concentrations of dissolved metals.

Light, Nonaqueous-Phase Liquid

LNAPL was detected in monitoring well MW29, located in the central western portion of the Subject property during groundwater sampling. Due to the presence of LNAPL, groundwater in this well was not sampled. Fingerprint analysis completed on the LNAPL indicated that the pattern resembles a degraded fuel oil.

A Groundwater Analytical Results summary table is attached as Table 3 and a Groundwater Sample Locations and Results Map is attached as Figure 5.

Soil Vapor Analytical Summary

VOCs

Total VOCs in the subsurface soil vapor samples ranged from 2,095 µg/m^3 at SV07 to 3,900,750 µg/m^3 at SV02. VOC concentrations in soil vapor are greatest in the northern portion of the Site in the vicinity of the USTs; however, VOCs were detected across the entire Subject Property. Efforts to mitigate soil vapor intrusion will be included in the Remedial Action Work Plan.

A Soil Vapor Analytical Results summary table is attached as Table 4 and a Soil Vapor Sample Locations and Results Map is attached as Figure 6.

6. Deliverables Submitted During This Reporting Period

Draft RI tables and Figures were submitted to NYSDEC on 2 December 2015.

7. Information Regarding Percentage of Completion

RI complete: <5%

8. Unresolved Delays Encountered or Anticipated That May Affect the Schedule and Mitigation Efforts

None in this period.

9. Community Participation (CP) Plan Activities during This Reporting Period

None in this period.

10. Activities Anticipated in Support of the CP Plan for the Next Reporting Period:

None in this period.

11. Miscellaneous Information

Enclave on 241 Street, LLC (the "Volunteer") is evaluating the possibility of purchasing additional/adjacent properties to the south of the project site in order to increase the footprint of the proposed building. Potential lot acquisitions include lot(s) 9, 55, and 58. Adjacent lot acquisitions may trigger the need to further investigation at previously uninvestigated lots.

Enclosed:

Table 1 – Sample Summary
Table 2 – Soil Analytical Results – Remedial Investigation
Table 3 – Groundwater Analytical Results – Remedial Investigation
Table 4 – Soil Gas Analytical Results – Remedial Investigation
Figure 1 – Site Location Map
Figure 2 – Remedial Investigation Site Plan
Figure 3 – Groundwater Isocontour Map
Figure 4 – Soil Sample Locations and Results Map
Figure 5 – Groundwater Locations and Results Map
Figure 6 – Soil Vapor Locations and Results Map

Table 1
Sample Summary
Remediation Investigation Report
714 East 241 Street
Bronx, New York
Langan Project No. 140115301

Sample Name	Sample Depth (ft bgs)	Date	Observations[1]	PID Reading (ppm)	Observed Depth to Groundwater[2]	Sample Analyses
Soil Samples						
SB07_2-3	2.0 to 3.0	30-Sep-15	Fill	12.5	12.5 feet bgs	Part 375 VOCs, SVOCs, Metals, PCBs, Pesticides
SB07_12-13	12.0 to 13.0	30-Sep-15	Virgin	0.8		
SB08_2-3	2.0 to 3.0	30-Sep-15	Fill	88.9	9.5 feet bgs	
SB08_9-10	9.0 to 10.0	30-Sep-15	Virgin	2478		
SB09_9-10	9.0 to 10.0	30-Sep-15	Virgin	2400	13.5 feet bgs	
SB09_13-14	13.0 to 14.0	30-Sep-15	Virgin	2400		
SB10_8-9	8.0 to 9.0	30-Sep-15	Virgin	131	12 feet bgs	
SB10_11-12	11.0 to 12.0	30-Sep-15	Virgin	415		
SB11_8.5-9.5	8.5 to 9.5	29-Sep-15	Virgin	15.3	12.5 feet bgs	
SB11_12-13	12.0 to 13.0	29-Sep-15	Virgin	8.9		
SB12_1-2	1.0 to 2.0	28-Sep-15	Fill	4.8	12 feet bgs	
SB12_11.5-12.5	11.5 to 12.5	28-Sep-15	Virgin	0.2		
SB13_9-10	9.0 to 10.0	28-Sep-15	Virgin	45.1	14.5 feet bgs	
SB13_14-15	14.0 to 15.0	28-Sep-15	Virgin	68.1		
SB14_2-3	2.0 to 3.0	28-Sep-15	Fill	0.0	12 feet bgs	
SB14_11.5-12.5	11.5 to 12.5	28-Sep-15	Virgin	3.0		
SB15_2.5-3.5	2.5 to 3.5	29-Sep-15	Fill	5.3	12 feet bgs	
SB15_11.5-12.5	11.5 to 12.5	29-Sep-15	Virgin	1.8		
SB16_3-4	3.0 to 4.0	29-Sep-15	Fill	90.7	12 feet bgs	
SB16_11.5-12.5	11.5 to 12.5	29-Sep-15	Virgin	9.3		
SB17_3.5-4.5	3.5 to 4.5	29-Sep-15	Fill	102	12 feet bgs	
SB17_11.5-12.5	11.5 to 12.5	29-Sep-15	Virgin	18.4		
SB18_6-7	6.0 to 7.0	30-Sep-15	Virgin	0.0	13.5 feet bgs	
SB18_11-12	11.0 to 12.0	30-Sep-15	Virgin	0.0		
SB19_4.5-5.5	4.5 to 5.5	30-Sep-15	Fill	69.1	10 feet bgs	
SB19_9-10	9.0 to 10.0	30-Sep-15	Virgin	3380		
SB20_2-3	2.0 to 3.0	30-Sep-15	Fill	400	12 feet bgs	
SB20_11-12	11.0 to 12.0	30-Sep-15	Virgin	136		
SB21_0.5-1.5	0.5 to 1.5	30-Sep-15	Fill	140	12 feet bgs	
SB21_10-11	10.0 to 11.0	30-Sep-15	Virgin	15.1		
SB22_8-9	8.0 to 9.0	30-Sep-15	Virgin	426	10.5 feet bgs	
SB22_10-11	10.0 to 11.0	30-Sep-15	Virgin	2500		
SB23_8.5-9.5	8.5 to 9.5	29-Sep-15	Virgin	50.1	12 feet bgs	
SB23_11.5-12.5	11.5 to 12.5	29-Sep-15	Virgin	21.4		
SB24_3.5-4.5	3.5 to 4.5	29-Sep-15	Virgin	4.7	11.5 feet bgs	
SB24_11-12	11.0 to 12.0	29-Sep-15	Virgin	4.1		
SB25_1-2	1.0 to 2.0	29-Sep-15	Fill	0.0	N/A	
SB26_1-2	1.0 to 2.0	29-Sep-15	Fill	0.9	N/A	
SB27_1-2	1.0 to 2.0	29-Sep-15	Fill	10.7	N/A	
SB28_1-2	1.0 to 2.0	30-Sep-15	Fill	7.8	N/A	
SB29_9-10	9.0 to 10.0	28-Sep-15	Virgin	142	12 feet bgs	
SB29_11.5-12.5	11.5 to 12.5	28-Sep-15	Virgin	153		
SODUP01_9.28.15 (SB13_14-15)	14.0 to 15.0	28-Sep-15	Virgin	68.1	14.5 feet bgs	
SODUP02_9.29.15 (SB15_2.5-3.5)	2.5 to 3.5	29-Sep-15	Fill	5.3	12 feet bgs	
SODUP03_9.29.15 (SB17_3.5-4.5)	3.5 to 4.5	29-Sep-15	Fill	102	12 feet bgs	
MS/MSD-S001_9.30.15 (SB18_11-12)	11.0 to 12.0	30-Sep-15	Virgin	0.0	13.5 feet bgs	
SBTB01_9.29.15	--	29-Sep-15	--	--	--	Part 375 VOCs
SBTB02_9.30.15	--	30-Sep-15	--	--	--	
SBTB03_9.30.15	--	30-Sep-15	--	--	--	
SBFB01_9.30.15	--	30-Sep-15	--	--	--	Part 375 VOCs, SVOCs, Metals, PCBs, Pesticides
SBFB02_9.30.15	--	30-Sep-15	--	--	--	
Groundwater Samples						
MW07_10.6.15	--	6-Oct-15	GW	45.7	12.01 feet bgs	TCL VOCs, SVOCs, TAL Metals (unfiltered & lab filtered)
MW08_10.6.15	--	6-Oct-15	GW	1831	9.47 feet bgs	TCL VOCs
MW11_10.6.15	--	6-Oct-15	GW	65.1	11.76 feet bgs	TCL VOCs, SVOCs, TAL Metals (unfiltered & lab filtered)
MW13_10.6.15	--	6-Oct-15	GW	0.5	13.43 feet bgs	
MW15_10.6.15	--	6-Oct-15	GW	0.0	11.72 feet bgs	
MW16_10.6.15	--	6-Oct-15	GW	0.6	12.52 feet bgs	
MW17_10.6.15	--	6-Oct-15	GW	104	11.73 feet bgs	
MW19_10.6.15	--	6-Oct-15	GW	1594	10.20 feet bgs	TCL VOCs
MW29_10.6.15	--	6-Oct-15	Product	0.0	12.10 feet bgs	Petroleum I.D.
GWDUP01_10.6.15 (MW08_10.6.15)	--	6-Oct-15	GW	1831	9.47 feet bgs	TCL VOCs
MS/MSD-GW01_10.6.15 (MW16_10.6.15)	--	6-Oct-15	GW	0.6	12.52 feet bgs	TCL VOCs, SVOCs, TAL Metals (unfiltered & lab filtered)
GWFB01_10.6.15	--	6-Oct-15	--	--	--	TCL VOCs, SVOCs, TAL Metals (unfiltered & lab filtered)
GWTB01_10.6.15	--	6-Oct-15	--	--	--	TCL VOCs
Soil Vapor Samples						
SV01_10.8.15	8-feet bgs	8-Oct-15	SV	--	N/A	EPA TO-15 Volatiles
SV02_10.8.15	8-feet bgs	8-Oct-15	SV	--		
SV03_10.8.15	10-feet bgs	8-Oct-15	SV	182.4		
SV04_10.8.15	10-feet bgs	8-Oct-15	SV	52.3		
SV05_10.8.15	11-feet bgs	8-Oct-15	SV	67.9		
SV06_10.8.15	10-feet bgs	8-Oct-15	SV	384		
SV07_10.8.15	9-feet bgs	8-Oct-15	SV	15.8		
SV08_10.8.15	9-feet bgs	8-Oct-15	SV	187.4		
SV09_10.8.15	9-feet bgs	8-Oct-15	SV	41.6		
SV10_10.8.15	10-feet bgs	8-Oct-15	SV	22.1		
SV11_10.8.15	9-feet bgs	8-Oct-15	SV	58.3		
SVDUP01_10.8.15 (SV03_10.8.15)	10-feet bgs	8-Oct-15	SV	184.4		
AMB01_10.8.15	--	8-Oct-15	Ambient	0		

Notes:
1) Soil types based on field observations.
2) Groundwater depths based on field observations (soil), and monitoring well gauging (groundwater)

Acronyms:
BGS = Below grade surface
GW = Groundwater
SV = Soil Vapor
N/A = Not applicable
PID = Photoionization detector
PPM = Parts per million
TCL = Target Compound List
TAL = Target Analyte List
VOCs = Volatile organic compounds
SVOCs = Semivolatile organic compounds
PCBs = Polychlorinated biphenyls
EPA = United States Environmental Protection Agency

Table 2
Soil Analytical Results - Remedial Investigation
714 East 241 Street
Bronx, New York
Langan Project No.: 140115301

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives: Unrestricted Use Objectives	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives: Restricted Residential	Sample ID / Sample Date / Sampling Depth / Sample Medium	SB07_2-3 9/30/2015 2'-3' Fill	SB07_12-13 9/30/2015 12'-13' Sand	SB08_2-3 9/30/2015 2'-3' Fill	SB08_9-10 9/30/2015 9'-10' Sand	SB09_9-10 9/30/2015 9'-10' Sand	SB09_13-14 9/30/2015 13'-14' Sand	SB10_8-9 9/30/2015 8'-9' Sand	SB10_11-12 9/30/2015 11'-12' Sand	SB11_8.5-9.5 9/29/2015 8.5'-9.5' Sand	SB11_12-13 9/29/2015 12'-13' Sand	SB12_1-2 9/28/2015 1'-2' Fill	SB12_11.5-12.5 9/28/2015 11.5'-12.5' Sand	SB13_9-10 9/28/2015 9'-10' Sand	SB13_14-15 9/28/2015 14'-15' Sand	SDDUP01_9.28.15 9/28/2015 14'-15' (SB13_14-15) Sand	SB14_2-3 9/28/2015 2'-3' Fill	SB14_11.5-12.5 9/28/2015 11.5'-12.5' Sand	SB15_2.5-3.5 9/29/2015 2.5'-3.5' Fill	SDDUP02_9.29.15 9/29/2015 2.5'-3.5' (SB15_2.5-3.5) Fill	SB15_11.5-12.5 9/29/2015 11.5'-12.5' Sand	SB16_3-4 9/29/2015 3'-4' Fill	SB16_11.5-12.5 9/29/2015 11.5'-12.5' Sand	SB17_3.5-4.5 9/29/2015 3.5'-4.5' Fill
VOCs (mg/kg)																											
1,1,1-Trichloroethane	0.68	100		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,1-Dichloroethane	0.27	26		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,1-Dichloroethylene	0.33	100		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,2,4-Trimethylbenzene	3.6	52		ND<0.0021	ND<0.0018	ND<0.0019	**80 D**	**13 D**	**68 D**	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,2-Dichlorobenzene	1.1	100		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,2-Dichloroethane	0.02	3.1		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	***ND<0.19***	***ND<0.17***	ND<0.0018	***ND<0.20***	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,3,5-Trimethylbenzene	8.4	52		ND<0.0021	ND<0.0018	ND<0.0019	**14 D**	7.8 D	**25 D**	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,3-Dichlorobenzene	2.4	49		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,4-Dichlorobenzene	1.8	13		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
1,4-Dioxane	0.1	13		ND<0.042	ND<0.035	ND<0.038	***ND<8.30***	***ND<3.90***	***ND<3.40***	ND<0.037	***ND<4.0***	ND<0.038	ND<0.036	ND<0.055	ND<0.035	ND<0.038	ND<0.036	ND<0.036	ND<0.043	ND<0.041	ND<0.042	ND<0.043	ND<0.035	ND<0.042	ND<0.046	ND<0.04
2-Butanone	0.12	100		ND<0.0021	ND<0.0018	0.0062	***ND<0.41***	***ND<0.19***	***ND<0.17***	0.0021 J	***ND<0.20***	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	0.0041 J	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	0.0063	ND<0.0023	0.011
Acetone	0.05	100		0.0042 J	0.0036 J	0.028	***ND<0.83***	***ND<0.39***	***ND<0.34***	0.0074	***ND<0.40***	ND<0.0038	ND<0.0036	ND<0.0055	ND<0.0035	ND<0.0038	ND<0.0036	ND<0.0036	0.0078 J	ND<0.0041	ND<0.0042	ND<0.0043	ND<0.0035	0.015	ND<0.0046	0.048
Benzene	0.06	4.8		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	**0.37 JD**	**0.29 JD**	ND<0.0018	***ND<0.20***	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Carbon tetrachloride	0.76	2.4		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Chlorobenzene	1.1	100		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Chloroform	0.37	49		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
cis-1,2-Dichloroethylene	0.25	100		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Ethyl Benzene	1	41		ND<0.0021	ND<0.0018	ND<0.0019	**9.40 D**	**11 D**	**21 D**	0.0021 J	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Methyl tert-butyl ether (MTBE)	0.93	100		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Methylene chloride	0.05	100		ND<0.0042	ND<0.0035	ND<0.0038	***ND<0.83***	***ND<0.39***	***ND<0.34***	ND<0.0037	***ND<0.40***	ND<0.0038	ND<0.0036	ND<0.0055	ND<0.0035	ND<0.0038	ND<0.0036	ND<0.0036	ND<0.0043	ND<0.0041	ND<0.0042	ND<0.0043	ND<0.0035	ND<0.0042	ND<0.0046	0.0046 J
Naphthalene	12	100		ND<0.0021	ND<0.0018	ND<0.0019	4.30 D	4.50 D	10 D	0.060	7.60 D	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	0.0058 J	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
n-Butylbenzene	12	100		ND<0.0021	ND<0.0018	ND<0.0019	3.40 D	2.0 D	5.30 D	0.067	2.30 D	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
n-Propylbenzene	3.9	100		ND<0.0021	ND<0.0018	ND<0.0019	**8.0 D**	**5.50 D**	**10 D**	0.057	1.30 D	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
o-Xylene	~	~		ND<0.0021	ND<0.0018	ND<0.0019	6.30 D	3.60 D	27 D	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
p- & m- Xylenes	~	~		ND<0.0042	ND<0.0035	ND<0.0038	31 D	28 D	82 D	ND<0.0037	ND<0.40	ND<0.038	ND<0.0036	ND<0.0055	ND<0.0035	ND<0.038	ND<0.0036	ND<0.0036	ND<0.0043	ND<0.0041	ND<0.0042	ND<0.0043	ND<0.0035	ND<0.0042	ND<0.0046	ND<0.0040
sec-Butylbenzene	11	100		ND<0.0021	ND<0.0018	ND<0.0019	1.0 D	0.53 D	1.10 D	0.036	1.20 D	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
tert-Butylbenzene	5.9	100		ND<0.0021	ND<0.0018	ND<0.0019	4.50 D	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Tetrachloroethylene	1.3	19		0.047	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Toluene	0.7	100		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	**1.30 D**	**4.90 D**	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
trans-1,2-Dichloroethylene	0.19	100		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	ND<0.19	ND<0.17	ND<0.0018	***ND<0.20***	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Trichloroethylene	0.47	21		ND<0.0021	ND<0.0018	ND<0.0019	ND<0.41	ND<0.19	ND<0.17	ND<0.0018	ND<0.20	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Vinyl Chloride	0.02	0.9		ND<0.0021	ND<0.0018	ND<0.0019	***ND<0.41***	***ND<0.19***	***ND<0.17***	ND<0.0018	***ND<0.20***	ND<0.0019	ND<0.0018	ND<0.0027	ND<0.0017	ND<0.0019	ND<0.0018	ND<0.0018	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0018	ND<0.0021	ND<0.0023	ND<0.0020
Xylenes, Total	0.26	100		ND<0.0064	ND<0.0053	ND<0.0057	**37 DE**	**32 D**	**110 D**	ND<0.0055	***ND<0.60***	ND<0.0056	ND<0.0053	ND<0.0082	ND<0.0052	ND<0.0057	ND<0.0053	ND<0.0054	ND<0.0064	ND<0.0062	ND<0.0063	ND<0.0064	ND<0.0053	ND<0.0063	ND<0.0069	ND<0.0060
SVOCs (mg/kg)																											
2-Methylphenol	0.33	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	ND<0.068	ND<0.072	ND<0.072
3- & 4-Methylphenols	~	~		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	ND<0.068	ND<0.072	ND<0.072
Acenaphthene	20	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	0.39 D	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	0.46 D	ND<0.069	0.083 JD	ND<0.072	ND<0.072
Acenaphthylene	100	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	0.11 JD	ND<0.073	ND<0.070	ND<0.068	0.23 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	0.33 D	ND<0.072	ND<0.072
Anthracene	100	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	0.18 D	0.89 D	ND<0.070	ND<0.068	0.10 JD	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	0.23 D	ND<0.069	0.18 D	ND<0.072	ND<0.072
Benzo(a)anthracene	1	1		0.41 JD	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.29 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.16 D	ND<0.073	0.29 D	ND<0.071	ND<0.069	0.33 D	ND<0.072	0.16 D
Benzo(a)pyrene	1	1		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.23 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.15 D	ND<0.073	0.25 D	ND<0.071	ND<0.069	0.46 D	ND<0.072	0.16 D
Benzo(b)fluoranthene	1	1		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.22 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.11 JD	ND<0.073	0.18 D	ND<0.071	ND<0.069	0.27 D	ND<0.072	0.13 JD
Benzo(g,h,i)perylene	100	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.29 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.10 JD	ND<0.073	0.16 D	ND<0.071	ND<0.069	1.84 D	ND<0.072	0.13 JD
Benzo(k)fluoranthene	0.8	3.9		0.37 JD	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.26 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.16 D	ND<0.073	0.30 D	ND<0.071	ND<0.069	0.25 D	ND<0.072	0.15 D
Chrysene	1	3.9		0.64 JD	ND<0.069	ND<0.074	ND<0.071	0.086 JD	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.33 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.17 D	ND<0.073	0.33 D	ND<0.071	ND<0.069	0.44 D	ND<0.072	0.17 D
Dibenzo(a,h)anthracene	0.33	0.33		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.12 JD	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	0.098 JD	ND<0.071	ND<0.069	0.24 D	ND<0.072	ND<0.072
Dibenzofuran	7	59		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	0.08 JD	ND<0.072	ND<0.072
Fluoranthene	100	100		0.98 D	ND<0.069	ND<0.074	ND<0.071	ND<0.072	0.079 JD	ND<0.070	0.37 D	ND<0.070	ND<0.068	0.43 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.35 D	ND<0.073	0.56 D	0.082 JD	ND<0.069	0.32 D	ND<0.072	0.37 D
Fluorene	30	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	0.40 D	2.68 D	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	0.76 D	ND<0.069	ND<0.068	ND<0.072	ND<0.072
Hexachlorobenzene	0.33	1.2		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	ND<0.068	ND<0.072	ND<0.072
Indeno(1,2,3-cd)pyrene	0.5	0.5		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	0.30 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.10 JD	ND<0.073	0.17 D	ND<0.071	ND<0.069	**1.36 D**	ND<0.072	0.12 JD
Naphthalene	12	100		ND<0.33	ND<0.069	ND<0.074	1.42 D	0.83 D	3.48 D	0.43 D	5.05 D	ND<0.070	ND<0.068	0.14 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	0.59 D	ND<0.069	0.43 D	ND<0.072	ND<0.072
Pentachlorophenol	0.8	6.7		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	ND<0.068	ND<0.072	ND<0.072
Phenanthrene	100	100		0.77 D	ND<0.069	ND<0.074	ND<0.071	0.16 D	0.19 D	1.50 D	7.04 D	ND<0.070	ND<0.068	0.28 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.18 D	ND<0.073	0.30 D	1.95 D	ND<0.069	0.48 D	ND<0.072	0.20 D
Phenol	0.33	100		ND<0.33	ND<0.069	ND<0.074	ND<0.071	ND<0.072	ND<0.069	ND<0.070	ND<0.073	ND<0.070	ND<0.068	ND<0.070	ND<0.069	ND<0.070	ND<0.069	ND<0.068	ND<0.073	ND<0.073	ND<0.072	ND<0.071	ND<0.069	ND<0.068	ND<0.072	ND<0.072
Pyrene	100	100		0.89 D	ND<0.069	ND<0.074	ND<0.071	0.19 D	0.17 D	ND<0.070	0.27 D	ND<0.070	ND<0.068	0.56 D	ND<0.069	ND<0.070	ND<0.069	ND<0.068	0.26 D	ND<0.073	0.49 D	0.087 JD	ND<0.069	2.98 D	ND<0.072	0.28 D
Pesticides/Herbicides (mg/kg)																											
2,4,5-TP (Silvex)	3.8	100		ND<0.021	ND<0.022	ND<0.024	ND<0.023	ND<0.023	ND<0.022	ND<0.022	ND<0.023	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.023	ND<0.023	ND<0.023	ND<0.023	ND<0.023	ND<0.022	ND<0.022	ND<0.023	ND<0.023
4,4'-DDD	0.0033	13		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
4,4'-DDE	0.0033	8.9		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
4,4'-DDT	0.0033	7.9		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
Aldrin	0.005	0.097		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
alpha-BHC	0.02	0.48		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
alpha-Chlordane	0.094	4.2		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	0.0021 D	0.0022 D	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
beta-BHC	0.036	0.36		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
delta-BHC	0.04	100		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
Dieldrin	0.005	0.2		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
Endosulfan I	2.4	24		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025
Endosulfan II	2.4	24		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017

Table 2
Soil Analytical Results - Remedial Investigation
714 East 241 Street
Bronx, New York
Langan Project No.: 140115301

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives: Unrestricted Use Objectives	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives: Restricted Residential	Sample ID / Sample Date / Sampling Depth / Sample Medium	SODUP03_9.29.15 9/29/2015 3.5'-4.5' (SB17_3.5-4.5) Fill	SB17_11.5-12.5 9/29/2015 11.5'-12.5' Sand	SB18_6-7 9/29/2015 6'-7' Sand	SB18_11-12 9/30/2015 11'-12' Sand	SB19_4.5-5.5 9/30/2015 4.5'-5.5' Fill	SB19_9-10 9/30/2015 9'-10' Sand	SB20_2-3 9/30/2015 2'-3' Fill	SB20_11-12 9/30/2015 11'-12' Sand	SB21_0.5-1.5 9/30/2015 0.5'-1.5' Fill	SB21_10-11 9/30/2015 10'-11' Sand	SB22_8-9 9/30/2015 8'-9' Sand	SB22_10-11 9/30/2015 10'-11' Sand	SB23_8.5-9.5 9/29/2015 8.5'-9.5' Sand	SB23_11.5-12.5 9/29/2015 11.5'-12.5' Sand	SB24_3.5-4.5 9/29/2015 3.5'-4.5' Sand	SB24_11-12 9/29/2015 11'-12' Sand	SB25_1-2 9/29/2015 1'-2' Fill	SB26_1-2 9/29/2015 1'-2' Fill	SB27_1-2 9/29/2015 1'-2' Fill	SB28_1-2 9/30/2015 1'-2' Fill	SB29_9-10 9/28/2015 9'-10' Sand	SB29_11.5-12.5 9/28/2015 11.5'-12.5' Sand
VOCs (mg/kg)																										
1,1,1-Trichloroethane	0.68	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,1-Dichloroethane	0.27	26		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,1-Dichloroethylene	0.33	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,2,4-Trimethylbenzene	3.6	52		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.56 E	**230 D**	0.0025 J	0.036	ND<0.0022	ND<0.0020	**3.90 D**	**280 D**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<1.80
1,2-Dichlorobenzene	1.1	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,2-Dichloroethane	0.02	3.1		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	***ND<0.22***	***ND<0.22***	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	***ND<0.18***	***ND<0.17***
1,3,5-Trimethylbenzene	8.4	52		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.21 E	**64 D**	ND<0.0018	0.0024 J	ND<0.0022	ND<0.0020	1.30 D	**89 D**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	0.87D
1,3-Dichlorobenzene	2.4	49		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	ND<2.0	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,4-Dichlorobenzene	1.8	13		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
1,4-Dioxane	0.1	13		ND<0.040	ND<0.035	ND<0.039	ND<0.034	ND<0.041	***ND<40.0***	ND<0.036	ND<0.035	ND<0.045	ND<0.041	***ND<4.40***	***ND<4.50***	ND<0.040	ND<0.036	ND<0.056	ND<0.036	ND<0.039	ND<0.045	ND<0.040	ND<0.046	***ND<3.7***	***ND<3.50***
2-Butanone	0.12	100		0.0083	0.0019 J	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	0.0045	ND<0.0020	***ND<0.22***	***ND<0.22***	0.0031 J	0.0026 J	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	0.028	ND<0.0023	***ND<0.18***	***ND<0.17***
Acetone	0.05	100		0.018	0.0071	0.0040 J	0.0049 J	ND<0.0021	***ND<4.0***	ND<0.0036	0.014	0.014	ND<0.0041	***ND<0.44***	***ND<0.45***	0.013	0.012	ND<0.0056	ND<0.0036	ND<0.0039	ND<0.0045	0.038	0.016	**0.80 D**	***ND<0.35***
Benzene	0.06	4.8		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	***ND<0.22***	**0.39 JD**	ND<0.0020	0.0047	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	***ND<0.18***	***ND<0.17***
Carbon tetrachloride	0.76	2.4		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Chlorobenzene	1.1	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Chloroform	0.37	49		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
cis-1,2-Dichloroethylene	0.25	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Ethyl Benzene	1	41		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.25 E	**82 D**	ND<0.0018	0.022	ND<0.0022	ND<0.0020	0.52 D	**110 D**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	0.20 JD
Methyl tert-butyl ether (MTBE)	0.93	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	0.0053	0.0041	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Methylene chloride	0.05	100		ND<0.0040	0.013	ND<0.0039	ND<0.0034	ND<0.0041	***ND<4.0***	ND<0.0036	ND<0.0035	ND<0.0045	ND<0.0041	**0.51 JD**	***ND<0.45***	ND<0.0040	ND<0.0036	0.018	ND<0.0036	ND<0.0039	ND<0.0045	ND<0.040	ND<0.0046	***ND<0.37***	***ND<0.35***
Naphthalene	12	100		ND<0.0020	ND<0.0018	0.0074 J	ND<0.0017	0.088	**28 D**	0.0035 J	0.0099	0.0028 J	ND<0.0020	2.90 D	**29 JD**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	0.92 D	2.70 D
n-Butylbenzene	12	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.038	14 D	ND<0.0018	0.0033 J	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	0.81 D	1.40 D
n-Propylbenzene	3.9	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.11	**36 D**	ND<0.0018	0.0095	ND<0.0022	ND<0.0020	0.50 D	**48 D**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	0.48 D
o-Xylene	~	~		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.36 E	120 D	ND<0.0018	0.0031 J	ND<0.0022	ND<0.0020	0.72 D	170 D	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
p- & m- Xylenes	~	~		ND<0.0040	ND<0.0035	ND<0.0039	ND<0.0034	0.66 E	280 D	ND<0.0036	0.024	ND<0.0045	ND<0.0041	2.10 D	430 D	ND<0.0040	ND<0.0036	ND<0.0056	ND<0.0036	ND<0.0039	ND<0.0045	ND<0.040	ND<0.0046	ND<0.37	ND<0.35
sec-Butylbenzene	11	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.012	3.80 JD	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	4.70 D	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	0.48 D	0.66 D
tert-Butylbenzene	5.9	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	ND<2.0	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Tetrachloroethylene	1.3	19		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	0.015	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Toluene	0.7	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	0.36 E	**140 D**	ND<0.0018	0.0029 J	ND<0.0022	ND<0.0020	0.33 JD	**250 D**	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
trans-1,2-Dichloroethylene	0.19	100		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	***ND<0.22***	***ND<0.22***	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Trichloroethylene	0.47	21		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	ND<0.22	ND<0.22	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	ND<0.18	ND<0.17
Vinyl Chloride	0.02	0.9		ND<0.0020	ND<0.0018	ND<0.0019	ND<0.0017	ND<0.0021	***ND<2.0***	ND<0.0018	ND<0.0018	ND<0.0022	ND<0.0020	***ND<0.22***	***ND<0.22***	ND<0.0020	ND<0.0018	ND<0.0028	ND<0.0018	ND<0.0020	ND<0.0023	ND<0.0020	ND<0.0023	***ND<0.18***	***ND<0.17***
Xylenes, Total	0.26	100		ND<0.0060	ND<0.0053	ND<0.0058	ND<0.0051	**1.0 E**	**390 D**	ND<0.0054	0.027	ND<0.0067	ND<0.0061	**2.80 D**	**600 D**	ND<0.0060	ND<0.0054	ND<0.0083	ND<0.0053	ND<0.0059	ND<0.0068	ND<0.0060	ND<0.0069	***ND<0.55***	***ND<0.52***
SVOCs (mg/kg)																										
2-Methylphenol	0.33	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
3- & 4-Methylphenols	~	~		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
Acenaphthene	20	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	0.12 JD	0.088 JD	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	0.42 D
Acenaphthylene	100	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	0.25 D	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	0.15 D	ND<0.069	ND<0.070	ND<0.070
Anthracene	100	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.098 JD	ND<0.070	ND<0.068	ND<0.074	0.67 D	ND<0.071	0.15 D	ND<0.073	0.12 JD	0.11 JD	0.23 D	0.10 JD	0.13 JD	0.21 D
Benzo(a)anthracene	1	1		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.52 D	ND<0.070	ND<0.068	ND<0.074	**3.73 D**	ND<0.071	0.40 D	ND<0.073	0.43 D	0.31 D	0.63 D	0.20 D	0.26 D	ND<0.070
Benzo(a)pyrene	1	1		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.58 D	ND<0.070	ND<0.068	ND<0.074	**1.96 D**	ND<0.071	0.22 D	ND<0.073	0.31 D	ND<0.070	0.55 D	0.19 D	ND<0.070	ND<0.070
Benzo(b)fluoranthene	1	1		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.54 D	ND<0.070	ND<0.068	ND<0.074	**1.36 D**	ND<0.071	0.23 D	ND<0.073	0.32 D	ND<0.070	0.48 D	0.25 D	0.095 JD	ND<0.070
Benzo(g,h,i)perylene	100	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.40 D	ND<0.070	ND<0.068	ND<0.074	0.69 D	ND<0.071	0.19 D	ND<0.073	0.18 D	0.35 D	1.14 D	0.10 JD	0.34 D	ND<0.070
Benzo(k)fluoranthene	0.8	3.9		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.61 D	ND<0.070	ND<0.068	ND<0.074	**1.81 D**	ND<0.071	0.28 D	ND<0.073	0.30 D	ND<0.070	0.53 D	0.28 D	ND<0.070	ND<0.070
Chrysene	1	3.9		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.76 D	ND<0.070	ND<0.068	ND<0.074	**2.99 D**	ND<0.071	0.45 D	ND<0.073	0.50 D	0.33 D	0.82 D	0.35 D	0.36 D	ND<0.070
Dibenzo(a,h)anthracene	0.33	0.33		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.18 D	ND<0.070	ND<0.068	ND<0.074	**0.57 D**	ND<0.071	ND<0.070	ND<0.073	ND<0.066	0.14 D	0.31 D	ND<0.069	ND<0.070	ND<0.070
Dibenzofuran	7	59		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
Fluoranthene	100	100		0.12 JD	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	1.50 D	ND<0.070	ND<0.068	ND<0.074	2.99 D	ND<0.071	0.81 D	ND<0.073	0.88 D	0.53 D	0.69 D	0.31 D	0.50 D	ND<0.070
Fluorene	30	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	0.23 D	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	0.72 D
Hexachlorobenzene	0.33	1.2		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
Indeno(1,2,3-cd)pyrene	0.5	0.5		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.40 D	ND<0.070	ND<0.068	ND<0.074	**0.74 D**	ND<0.071	0.13 JD	ND<0.073	0.19 D	0.21 D	**0.79 D**	0.10 JD	0.25 D	ND<0.070
Naphthalene	12	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	0.093 JD	ND<0.070	ND<0.068	8.04 D	0.15 D	6.52 D	ND<0.070	ND<0.073	0.10 JD	0.16 D	0.30 D	0.090 JD	0.26 D	1.36 D
Pentachlorophenol	0.8	6.7		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
Phenanthrene	100	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	1.24 D	ND<0.070	ND<0.068	ND<0.074	2.16 D	ND<0.071	0.60 D	ND<0.073	0.54 D	0.55 D	0.50 D	0.19 D	0.41 D	1.83 D
Phenol	0.33	100		ND<0.071	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	ND<0.069	ND<0.070	ND<0.068	ND<0.074	ND<0.073	ND<0.071	ND<0.070	ND<0.073	ND<0.066	ND<0.070	ND<0.066	ND<0.069	ND<0.070	ND<0.070
Pyrene	100	100		0.088 JD	ND<0.069	ND<0.069	ND<0.065	ND<0.076	ND<0.074	ND<0.071	ND<0.068	1.18 D	ND<0.070	ND<0.068	ND<0.074	2.99 D	ND<0.071	0.79 D	ND<0.073	0.79 D	1.64 D	2.56 D	0.53 D	1.88 D	ND<0.070
Pesticides/Herbicides (mg/kg)																										
2,4,5-TP (Silvex)	3.8	100		ND<0.023	ND<0.022	ND<0.022	ND<0.021	ND<0.024	ND<0.024	ND<0.023	ND<0.022	ND<0.022	ND<0.022	ND<0.022	ND<0.024	ND<0.023	ND<0.023	ND<0.022	ND<0.023	ND<0.021	ND<0.022	ND<0.021	ND<0.022	ND<0.022	ND<0.022
4,4'-DDD	0.0033	13		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
4,4'-DDE	0.0033	8.9		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
4,4'-DDT	0.0033	7.9		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Aldrin	0.005	0.097		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
alpha-BHC	0.02	0.48		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
alpha-Chlordane	0.094	4.2		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
beta-BHC	0.036	0.36		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
delta-BHC	0.04	100		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Dieldrin	0.005	0.2		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Endosulfan I	2.4	24		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Endosulfan II	2.4	24		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Endosulfan sulfate	2.4	24		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Endrin	0.014	11		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
gamma-BHC (Lindane)	0.1	1.3		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
Heptachlor	0.042	2.1		ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0025	ND<0.0017	ND<0.0017
PCBs (mg/kg)																										
Total PCBs	0.1	1		ND<0.028	ND<0.028	ND<0.028

Table 3
Groundwater Analytical Results - Remediation Investigation
714 East 241 Street
Bronx, New York
Langan Project No.: 140115301

Parameters	NYSDEC TOGS Standards and Guidance Values - GA	Sample ID Sample Date	MW07_10.6.15 10/6/2015	MW08_10.6.15 10/6/2015	GWDUP01_10.6.15 10/6/2015 (MW08_10.6.15)	MW11_10.6.15 10/6/2015	MW13_10.6.15 10/6/2015	MW15_10.6.15 10/6/2015	MW16_10.6.15 10/6/2015	MW17_10.6.15 10/6/2015	MW19_10.6.15 10/6/2015	MW29_10.6.15 10/6/2015
		Sample Medium	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
VOCs (µg/l)												
1,2,4-Trimethylbenzene	5		1.60	**910 D**	**880 D**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**2,000 D**	NT
1,3,5-Trimethylbenzene	5		0.81	**260 D**	**240 D**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**1,800 D**	NT
1,4-Dioxane	~		ND<40	ND<40	ND<40	ND<40	ND<40	ND<40	ND<40	ND<40	ND<200	NT
2-Butanone	50		0.82 J	4.40	5.80	1.3 J	ND<0.2	ND<0.2	ND<0.2	ND<0.2	18 D	NT
Acetone	50		1.8 J	ND<1.0	12	3	ND<1.0	ND<1.0	ND<1.0	1.3 J	36 BD	NT
Benzene	1		0.47 J	**20**	**31**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**1,200 D**	NT
Bromomethane	5		0.58 B	ND<0.2	ND<0.2	0.47 JB	0.3 JB	0.26 JB	ND<0.2	ND<0.2	ND<1.0	NT
Carbon disulfide	~		0.26 JB	0.29 JB	0.30 JB	0.31 JB	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<1.0	NT
Chloroform	7		ND<0.2	ND<0.2	4.20	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<1.0	NT
cis-1,2-Dichloroethylene	5		ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	0.23 J	ND<0.2	ND<1.0	NT
Cyclohexane	~		ND<0.2	69	110	1.80	ND<0.2	ND<0.2	ND<0.2	ND<0.2	240 D	NT
Ethyl Benzene	5		1.60	**450 D**	**420 D**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**2,600 D**	NT
Isopropylbenzene	5		ND<0.2	**65**	**70**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**99 D**	NT
Methyl tert-butyl ether (MTBE)	10		ND<0.2	2.70	3.30	ND<0.2	ND<0.2	0.96	**240 D**	1.10	ND<1.0	NT
Methylcyclohexane	~		ND<0.2	91	100	0.88	ND<0.2	ND<0.2	ND<0.2	ND<0.2	200 D	NT
Methylene chloride	5		ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	NT
n-Propylbenzene	5		0.23 J	**130**	**140**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**220 D**	NT
o-Xylene	5		**8.20**	**73**	**55 D**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**4,900 D**	NT
p- & m- Xylenes	5		**12**	**1,300 D**	**1,200 DE**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**9,800 D**	NT
p-Isopropyltoluene	5		ND<0.2	4.30	4.60	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**6.8 D**	NT
sec-Butylbenzene	5		ND<0.2	**7.40**	**7.80**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<1.0	NT
tert-Butyl alcohol (TBA)	~		ND<0.5	7.10	8.90	1.8 J	ND<0.5	ND<0.5	70	ND<0.5	ND<2.5	NT
Tetrachloroethylene	5		3.60	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<1.0	NT
Toluene	5		1.70	**23**	**18**	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	**19,000 DE**	NT
Trichloroethylene	5		0.33 J	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<1.0	NT
Xylenes, Total	5		**20**	**1,500 D**	**1,300 DE**	ND<0.6	ND<0.6	ND<0.6	ND<0.6	ND<0.6	**15,000 D**	NT
SVOCs (µg/l)												
Acenaphthene	20		ND<0.05	NT	NT	ND<0.05	0.13	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Anthracene	50		ND<0.05	NT	NT	ND<0.05	0.087	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Bis(2-ethylhexyl)phthalate	5		0.70	NT	NT	ND<0.5	3.09	0.55	1.66	0.69	NT	NT
Fluoranthene	50		ND<0.05	NT	NT	ND<0.05	0.15	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Fluorene	50		ND<0.05	NT	NT	ND<0.05	0.23	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Naphthalene	10		ND<0.05	NT	NT	ND<0.05	0.065	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Phenanthrene	50		ND<0.05	NT	NT	ND<0.05	0.065	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Pyrene	50		ND<0.05	NT	NT	ND<0.05	0.087	ND<0.05	ND<0.0513	ND<0.0513	NT	NT
Metals, Dissolved (µg/l)												
Aluminum	~		ND<56	NT	NT	ND<56	ND<56	ND<56	ND<56	126	NT	NT
Barium	1000		72	NT	NT	103	90	130	129	314	NT	NT
Calcium	~		94,800	NT	NT	217,000	84,700	131,000	100,000	126,000	NT	NT
Cobalt	~		ND<6	NT	NT	6	ND<6	ND<6	ND<6	ND<6	NT	NT
Copper	200		5	NT	NT	9	6	7	8	10	NT	NT
Iron	~		54	NT	NT	ND<22	66	26	30	332	NT	NT
Magnesium	35000		21,400	NT	NT	**37,000**	16,200	**44,500**	29,200	11,900	NT	NT
Manganese	300		**4,220**	NT	NT	**2,780**	**1,110**	298	**902**	**2,890**	NT	NT
Nickel	100		12 B	NT	NT	13 B	14 B	10 B	12 B	12 B	NT	NT
Potassium	~		3,520	NT	NT	9,080	4,970	5,090	6,140	15,200	NT	NT
Sodium	20000		**26,800**	NT	NT	**116,000**	**44,000**	**29,800**	**32,300**	**75,300**	NT	NT
Zinc	2000		26	NT	NT	17	46	33	32	31	NT	NT
Metals (µg/l)												
Aluminum	~		ND<56	NT	NT	101	ND<56	ND<56	128	702	NT	NT
Barium	1000		75	NT	NT	100	89	130	125	322	NT	NT
Calcium	~		92,300	NT	NT	203,000	81,100	126,000	96,700	117,000	NT	NT
Copper	200		7	NT	NT	10	5	6	7	15	NT	NT
Iron	~		134	NT	NT	253	110	44	310	1,150	NT	NT
Magnesium	35000		20,400	NT	NT	**35,400**	15,500	**44,000**	29,500	12,000	NT	NT
Manganese	300		**4,190**	NT	NT	**2,630**	**1,090**	293	**878**	**2,860**	NT	NT
Nickel	100		8	NT	NT	12	10	ND<6	9	11	NT	NT
Potassium	~		3,470	NT	NT	9,020	4,900	5,110	6,320	14,900	NT	NT
Sodium	20000		**26,200**	NT	NT	**114,000**	**41,700**	**28,700**	**30,700**	**69,700**	NT	NT
Zinc	2000		24	NT	NT	40	44	27	28	38	NT	NT
Petroleum Identification	~		NT	NT	NT	NT	NT	NT	NT	NT	NT	Pattern resembles weathered Fuel Oil No. 2/Diesel

Notes:

Groundwater samples were compared to NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values (GV) for Class GA (drinking water) groundwater.

ND = Not detected above laboratory reporting limits

NT = Not tested

B = Analyte found in the analysis batch blank

D = Result is from an analysis that required a dilution

E = Result is estimated and cannot be accurately reported due to levels encountered or interferences

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration

~ = Indicates that no regulatory limit has been established for this analyte

Indicates exceedance of the NYSDEC TOGS Standards and Guidance Values - GA

Indicates laboratory reporting limits were above the applicable criteria

Table 4
Soil Gas Analytical Results - Remedial Investigation
714 East 241 Street
Bronx, New York
Langan Project No.: 140115301

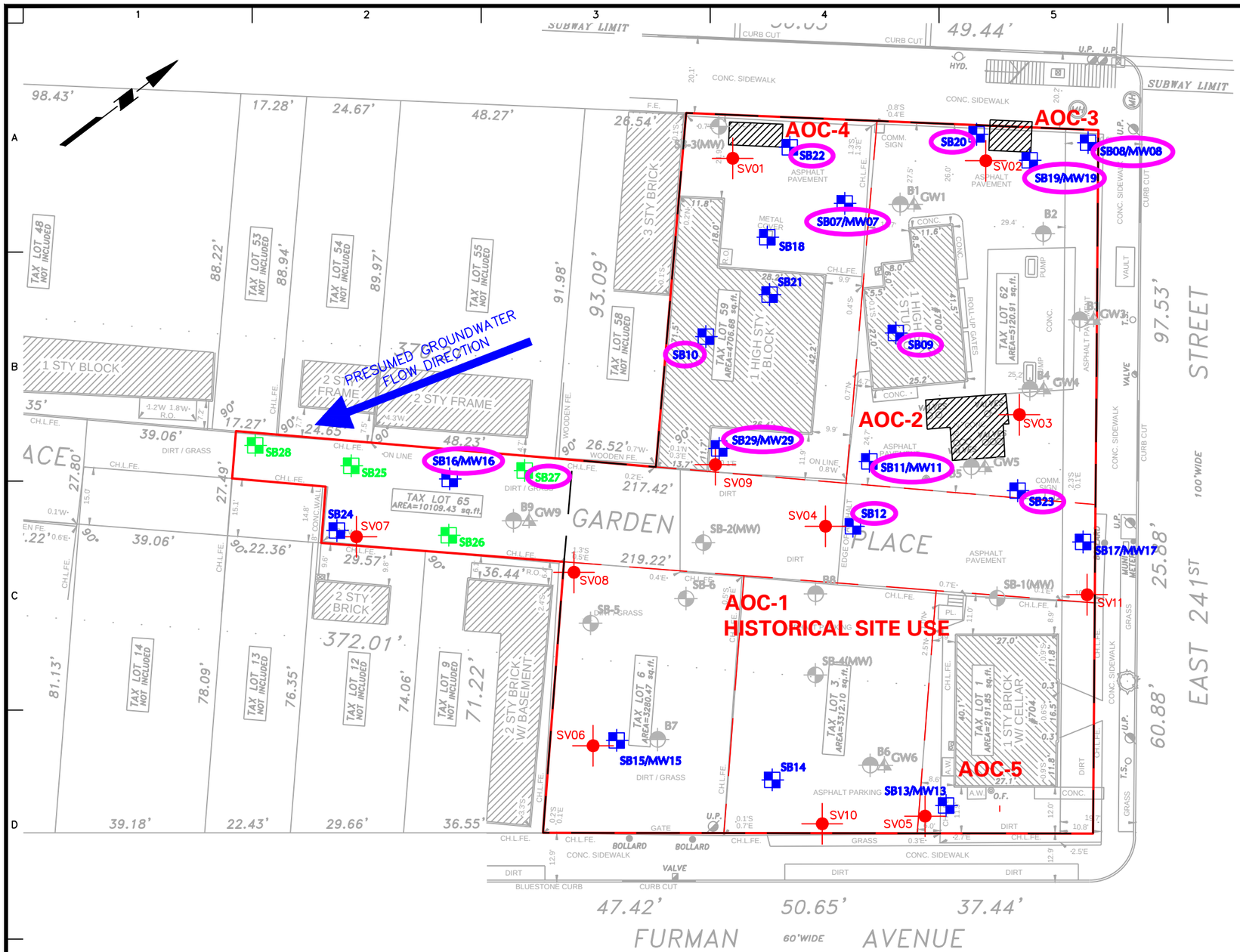
Parameters	NYSDOH AGV	Sample ID Sample Date Units	**SV01_10.8.15** 10/8/2015 µg/m3	**SV02_10.8.15** 10/8/2015 µg/m3	**SV03_10.8.15** 10/8/2015 µg/m3	**SVDUP01_10.8.15 (SV03)** 10/8/2015 µg/m3	**SV04_10.8.15** 10/8/2015 µg/m3	**SV05_10.8.15** 10/8/2015 µg/m3	**SV06_10.8.15** 10/8/2015 µg/m3	**SV07_10.8.15** 10/8/2015 µg/m3	**SV08_10.8.15** 10/8/2015 µg/m3	**SV09_10.8.15** 10/8/2015 µg/m3	**SV10_10.8.15** 10/8/2015 µg/m3	**SV11_10.8.15** 10/8/2015 µg/m3	**AMB01_10.8.15** 10/8/2015 µg/m3
VOCs															
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~		ND<36	ND<570	ND<1,400	ND<730	ND<290	ND<58	ND<57	ND<15	ND<53	ND<56	ND<150	ND<62	0.81 D
1,2,4-Trimethylbenzene	~		23 D	ND<370	ND<900	ND<470	ND<190	ND<37	ND<37	ND<9.5	ND<34	ND<36	120 D	ND<40	ND<0.52
1,3,5-Trimethylbenzene	~		ND<23	ND<370	ND<900	ND<470	ND<190	ND<37	ND<37	ND<9.5	ND<34	ND<36	94 D	ND<40	ND<0.52
2-Butanone	~		38 D	ND<220	ND<540	2,100 D	390 D	440 D	290 D	150 D	230 D	110 D	750 D	440 D	1.2 D
2-Hexanone	~		ND<39	ND<610	ND<1,500	ND<780	ND<310	ND<62	ND<61	38 D	ND<57	ND<60	ND<160	ND<66	ND<0.86
Acetone	~		620 D	ND<350	ND<870	29,000 D	8,300 D	7,700 D	5,000 D	1,800 D	4,500 D	1,900 D	13,000 D	6,700 D	8.3 D
Benzene	~		380 D	35,000 D	11,000 D	13,000 D	1,200 D	ND<24	ND<24	ND<6.2	ND<22	ND<23	2,700 D	ND<26	5.1 D
Carbon disulfide	~		44 D	ND<230	ND<570	ND<300	ND<120	57 D	30 D	13 D	ND<22	ND<23	ND<59	ND<25	ND<0.33
Carbon tetrachloride	~		ND<7.5	ND<120	ND<290	ND<150	ND<60	ND<12	ND<12	ND<3.0	ND<11	ND<12	ND<30	ND<13	0.80 D
Chloromethane	~		13 D	ND<150	ND<380	ND<200	ND<79	ND<16	ND<15	ND<4.0	ND<14	ND<15	ND<39	ND<17	1.3 D
cis-1,2-Dichloroethylene	~		ND<19	ND<300	ND<730	ND<380	ND<150	ND<30	ND<30	ND<7.7	ND<28	4,500 D	4,600 D	ND<32	ND<0.42
Cyclohexane	~		1,200 D	640,000	60,000 D	42,000 D	6,600 D	ND<26	ND<26	ND<6.7	ND<24	9,600 D	20,000 D	28 D	10 D
Dichlorodifluoromethane	~		ND<24	ND<370	ND<910	ND<470	ND<190	ND<38	ND<37	ND<9.6	ND<34	ND<36	ND<94	ND<40	2.3 D
Ethyl Benzene	~		430 D	2,700 D	3,700 D	6,700 D	660 D	ND<33	ND<32	ND<8.4	ND<30	ND<32	2,000 D	35 D	3.8 D
Methylene chloride	60		ND<33	***ND<520***	***ND<1,300***	***ND<660***	***ND<260***	ND<53	ND<52	ND<13	**82 D**	ND<51	***ND<130***	ND<56	ND<0.73
n-Heptane	~		1,800 D	ND<3,100	120,000 D	52,000 D	20,000 D	ND<31	ND<31	ND<7.9	ND<28	6,700 D	24,000 D	ND<33	15 D
n-Hexane	~		5,000 D	3,000,000 E	NT	150,000 D	38,000 D	29 D	42 D	6.8 D	250 D	8,600 D	44,000 D	160 D	36 D
o-Xylene	~		190 D	450 D	1,000 D	2,000 D	180 D	ND<33	ND<32	ND<8.4	ND<30	ND<32	630 D	42 D	1.4 D
p- & m- Xylenes	~		940 D	2,600 D	5,100 D	9,300 D	930 D	ND<66	ND<65	18 D	ND<60	ND<64	2,900 D	110 D	6.2 D
p-Ethyltoluene	~		58 D	ND<370	ND<900	700 D	ND<190	ND<37	ND<37	ND<9.5	ND<34	ND<36	240 D	ND<40	0.67 D
Propylene	~		42 D	ND<130	ND<320	1,600 D	270 D	230 D	140	23 D	54 D	150 D	790 D	210 D	0.83 D
Tetrachloroethylene	30		**170 D**	***ND<130***	***ND<310***	***ND<160***	**230 D**	ND<13	20 D	**32 D**	ND<12	**30 D**	**130 D**	ND<14	0.57 D
Toluene	~		1,000 D	220,000	27,000 D	6,100 D	5,500 D	ND<29	ND<28	15 D	ND<26	ND<28	4,500 D	ND<30	3.6 D
trans-1,2-Dichloroethylene	~		ND<19	ND<300	ND<730	ND<380	ND<150	ND<30	ND<30	ND<7.7	ND<28	100 D	150 D	ND<32	ND<0.42
Trichloroethylene	5		***ND<6.4***	***ND<100***	***ND<250***	***ND<130***	***ND<51***	***ND<10***	***ND<10***	ND<2.6	***ND<9.3***	***ND<9.9***	**760 D**	***ND<11***	ND<0.14
Trichlorofluoromethane (Freon 11)	~		ND<27	ND<420	ND<1,000	ND<530	ND<210	ND<43	ND<42	ND<11	ND<39	ND<41	ND<110	ND<45	2.3 D
Vinyl Chloride	~		ND<12	ND<190	ND<470	ND<240	ND<97	ND<19	ND<19	ND<5.0	ND<18	350 D	430 D	ND<21	ND<0.27

Notes:
Soil Vapor samples were compared to New York State Department of Health (NYSDOH) Air Guidance Values (AGVs)
ND = Not detected above laboratory reporting limits
NT = Not tested
D = Result is from an analysis that required a dilution
~ = Indicates that no regulatory limit has been established for this analyte
Indicates exceedance of the NYSDOH Air Guidance Values criteria
Indicates laboratory reporting limits were above the applicable criteria

SITE LOCATION MAP

C203077

ENCLAVE ON 241ST STREET DEVELOPMENT



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FORMER INTERNAL LOT BOUNDARIES
- PROPOSED BUILDING FOOTPRINT (APPROXIMATE)
- SB07/MW07 — SOIL BORING LOCATION. "MWXX" DENOTES A MONITORING WELL LOCATION.
- SV12 — SOIL VAPOR POINT LOCATION
- SB25 — SURFICIAL SOIL SAMPLE LOCATION
- SB-4(MW) — 2015 SOIL BORING LOCATION. (MW) DENOTES A TEMPORARY MONITORING WELL LOCATION [LANGAN LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION, DATED 3 FEBRUARY 2015]
- B9 — 2013 SOIL BORING LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GW9 — 2013 TEMPORARY MONITORING WELL LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GPR ANOMALY INDICATIVE OF UST

NOTES:

1. BACKGROUND PLAN TAKEN FROM SURVEY CONDUCTED BY PERFECT POINT LAND SURVEYING RT ON MARCH 27, 2014.
2. LOCATIONS OF SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS ARE SHOWN AS APPROXIMATE.
3. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
4. DRILLING WAS BE PERFORMED WITH A DIRECT-PUSH SAMPLER
5. A 2-INCH MACRO-CORE SAMPLER WAS USED TO OBTAIN SOIL SAMPLES FOR CLASSIFICATION AND LABORATORY TESTING. THE SAMPLES WERE OBTAINED CONTINUOUSLY AT 5-FOOT INTERVALS.
6. GROUNDWATER MONITORING WELLS WERE INSTALLED AT SELECT BORINGS. EACH WELL CONSISTS OF 10 FEET 1-INCH-DIAMETER SCHEDULE PVC SCREEN AND ATTACHED RISER. ANNULUS AROUND THE PVC WAS BACKFILLED WITH NO. 1 SAND.
7. AOC – AREA OF CONCERN

Petroleum Impacts Observed

40 0 10 25 40
SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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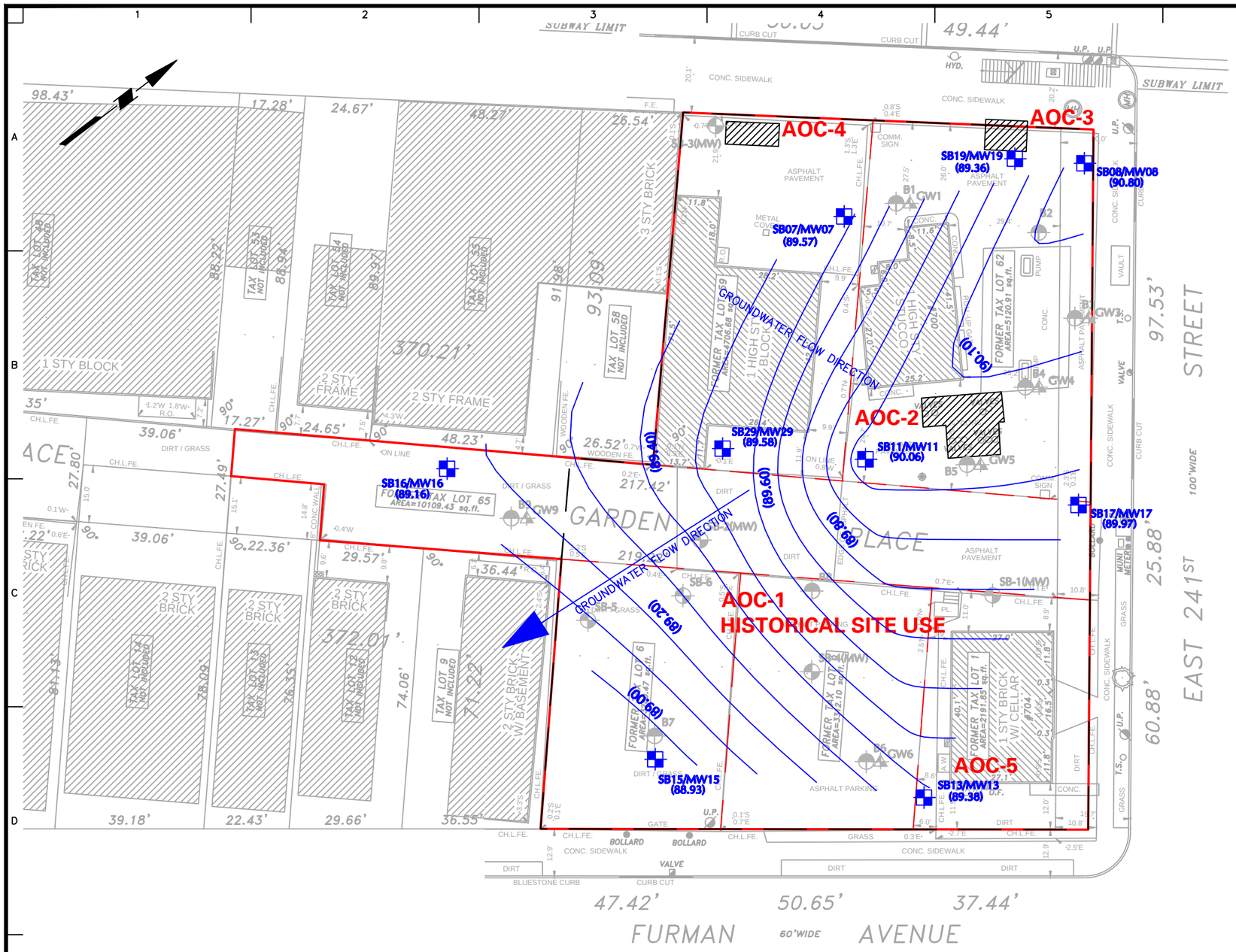
Langan International LLC
Collectively known as Langan

Project
ENCLAVE ON 241ST STREET DEVELOPMENT
BLOCK No. 5087 LOT Nos. 1, 3, 6, 59, 62, p/o 65
BRONX NEW YORK

Drawing Title
REMEDIATION INVESTIGATION SITE PLAN

Project No. 140115301	Drawing No. 2
Date 10/12/2015	
Scale 1"=30'	
Drawn By JPH / Checked By RJW	
Submission Date	

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\2D-DesignFiles\RIWP\Boring Location Map_10.12.15.dwg Date: 10/12/2015 Time: 13:40 User: kzalaski Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FORMER INTERNAL LOT BOUNDARIES
- PROPOSED BUILDING FOOTPRINT (APPROXIMATE)
- SB08/MW08 (90.80) — SOIL BORING LOCATION. "MWXX" DENOTES A MONITORING WELL LOCATION. (XX.XX) DENOTES OBSERVED GROUNDWATER ELEVATION.
- (89.40) — GROUNDWATER CONTOUR WITH GROUNDWATER ELEVATION (ARBITRARY SITE SPECIFIC ELEVATION)
- SB-4(MW) — 2015 SOIL BORING LOCATION. (MW) DENOTES A TEMPORARY MONITORING WELL LOCATION [LANGAN LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION, DATED 3 FEBRUARY 2015]
- B9 — 2013 SOIL BORING LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GW9 — 2013 TEMPORARY MONITORING WELL LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GPR ANOMALY INDICATIVE OF UST

NOTES:

1. BACKGROUND PLAN TAKEN FROM SURVEY CONDUCTED BY PERFECT POINT LAND SURVEYING RT ON MARCH 27, 2014.
2. MONITORING WELLS LOCATIONS AND TOP OF PVC ELEVATIONS SURVEYED BY LANGAN ON OCTOBER 9, 2015, REFERENCED TO ARBITRARY ELEVATION OF 100.0 FEET AT ONSITE SURVEY CONTROL POINT. DEPTH TO GROUNDWATER WAS GAUGED AND COMPARED TO SURVEYED ELEVATIONS, THESE GROUNDWATER ELEVATIONS ARE PRESENTED HERE.
3. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
4. AOC – AREA OF CONCERN

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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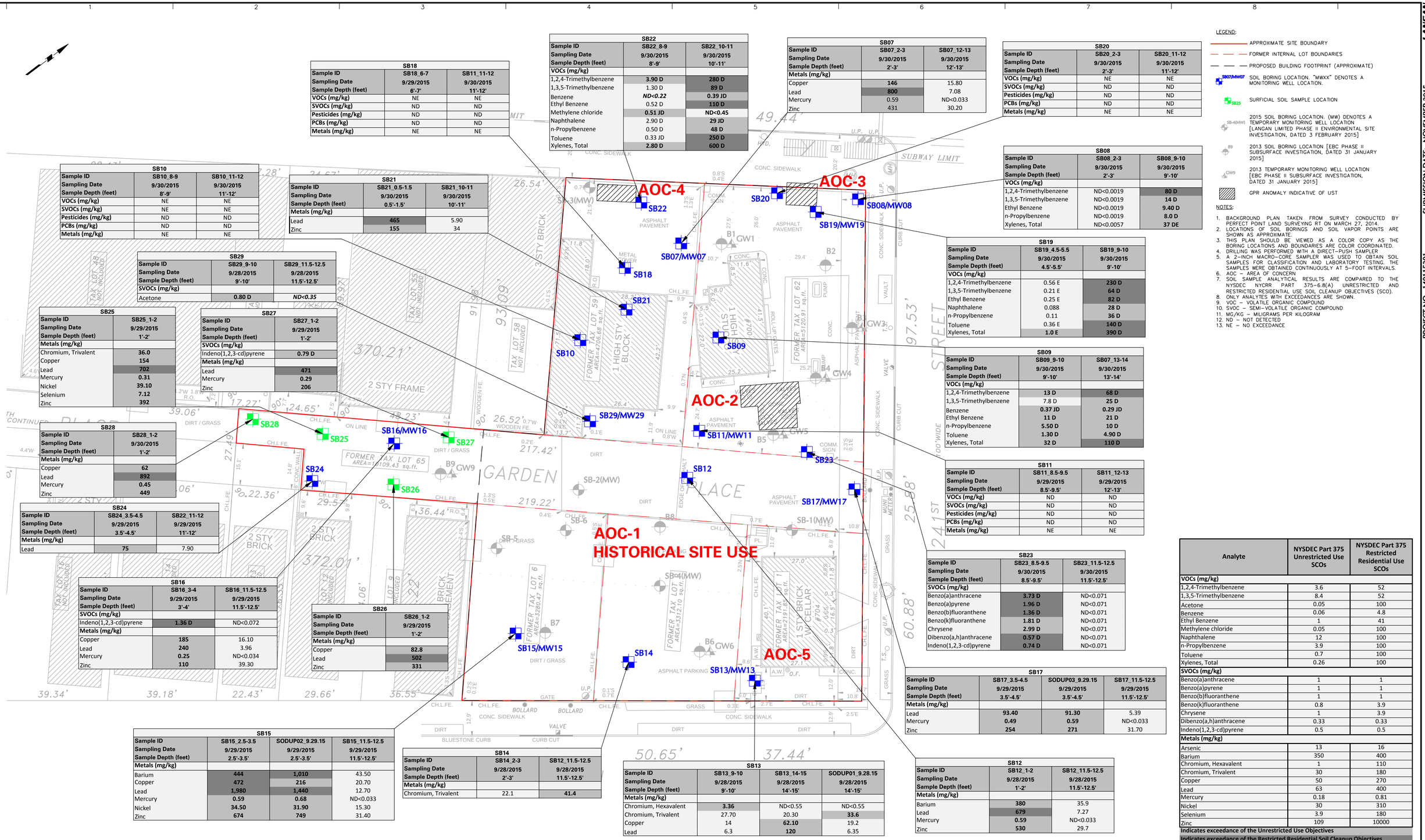
Langan International LLC
Collectively known as Langan

Project
ENCLAVE ON 241ST STREET DEVELOPMENT
BLOCK No. 5087 LOT No. 1
BRONX NEW YORK

Drawing Title
GROUNDWATER ISOCONTOUR MAP

Project No. 140115301	Drawing No. 3
Date NOVEMBER 2015	
Scale 1"=30'	
Drawn By JPH / Checked By RJW	
Submission Date NOVEMBER 2015	

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\2D-DesignFiles\RIR\FIGURE 3 - GW ISOCONTOUR MAP.dwg Date: 12/1/2015 Time: 15:43 User: jhall Style Table: Langan.stb Layout: ANSIB-BL



SB18		
Sample ID	**SB18_6-7**	**SB11_11-12**
Sampling Date	**9/29/2015**	**9/30/2015**
Sample Depth (feet)	**6'-7'**	**11'-12'**
VOCs (mg/kg)	NE	NE
SVOCs (mg/kg)	ND	ND
Pesticides (mg/kg)	ND	ND
PCBs (mg/kg)	ND	ND
Metals (mg/kg)	NE	NE

SB22		
Sample ID	**SB22_8-9**	**SB22_10-11**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**8'-9'**	**10'-11'**
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	**3.90 D**	**280 D**
1,3,5-Trimethylbenzene	1.30 D	**89 D**
Benzene	***ND<0.22***	**0.39 JD**
Ethyl Benzene	0.52 D	**110 D**
Methylene chloride	**0.51 JD**	**ND<0.45**
Naphthalene	2.90 D	**29 JD**
n-Propylbenzene	0.50 D	**48 D**
Toluene	0.33 JD	**250 D**
Xylenes, Total	**2.80 D**	**600 D**

SB07		
Sample ID	**SB07_2-3**	**SB07_12-13**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**2'-3'**	**12'-13'**
Metals (mg/kg)		
Copper	**146**	15.80
Lead	**800**	7.08
Mercury	0.59	ND<0.033
Zinc	431	30.20

SB20		
Sample ID	**SB20_2-3**	**SB20_11-12**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**2'-3'**	**11'-12'**
VOCs (mg/kg)	NE	NE
SVOCs (mg/kg)	ND	ND
Pesticides (mg/kg)	ND	ND
PCBs (mg/kg)	ND	ND
Metals (mg/kg)	NE	NE

SB10		
Sample ID	**SB10_8-9**	**SB10_11-12**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**8'-9'**	**11'-12'**
VOCs (mg/kg)	NE	NE
SVOCs (mg/kg)	NE	NE
Pesticides (mg/kg)	ND	ND
PCBs (mg/kg)	ND	ND
Metals (mg/kg)	NE	NE

SB21		
Sample ID	**SB21_0.5-1.5**	**SB21_10-11**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**0.5'-1.5'**	**10'-11'**
Metals (mg/kg)		
Lead	**465**	5.90
Zinc	**155**	34

SB08		
Sample ID	**SB08_2-3**	**SB08_9-10**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**2'-3'**	**9'-10'**
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	ND<0.0019	**80 D**
1,3,5-Trimethylbenzene	ND<0.0019	**14 D**
Ethyl Benzene	ND<0.0019	**9.40 D**
n-Propylbenzene	ND<0.0019	**8.0 D**
Xylenes, Total	ND<0.0057	**37 DE**

SB29		
Sample ID	**SB29_9-10**	**SB29_11.5-12.5**
Sampling Date	**9/28/2015**	**9/28/2015**
Sample Depth (feet)	**9'-10'**	**11.5'-12.5'**
SVOCs (mg/kg)		
Acetone	**0.80 D**	***ND<0.35***

SB19		
Sample ID	**SB19_4.5-5.5**	**SB19_9-10**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**4.5'-5.5'**	**9'-10'**
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	0.56 E	**230 D**
1,3,5-Trimethylbenzene	0.21 E	**64 D**
Ethyl Benzene	0.25 E	**82 D**
Naphthalene	0.088	**28 D**
n-Propylbenzene	0.11	**36 D**
Toluene	0.36 E	**140 D**
Xylenes, Total	**1.0 E**	**390 D**

SB25	
Sample ID	**SB25_1-2**
Sampling Date	**9/29/2015**
Sample Depth (feet)	**1'-2'**
Metals (mg/kg)	
Chromium, Trivalent	**36.0**
Copper	**154**
Lead	**702**
Mercury	**0.31**
Nickel	**39.10**
Selenium	**7.12**
Zinc	**392**

SB27	
Sample ID	**SB27_1-2**
Sampling Date	**9/29/2015**
Sample Depth (feet)	**1'-2'**
SVOCs (mg/kg)	
Indeno(1,2,3-cd)pyrene	**0.79 D**
Metals (mg/kg)	
Lead	**471**
Mercury	**0.29**
Zinc	**206**

SB09		
Sample ID	**SB09_9-10**	**SB07_13-14**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**9'-10'**	**13'-14'**
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	**13 D**	**68 D**
1,3,5-Trimethylbenzene	7.8 D	**25 D**
Benzene	**0.37 JD**	**0.29 JD**
Ethyl Benzene	**11 D**	**21 D**
n-Propylbenzene	**5.50 D**	**10 D**
Toluene	**1.30 D**	**4.90 D**
Xylenes, Total	**32 D**	**110 D**

SB28	
Sample ID	**SB28_1-2**
Sampling Date	**9/30/2015**
Sample Depth (feet)	**1'-2'**
Metals (mg/kg)	
Copper	**62**
Lead	**892**
Mercury	**0.45**
Zinc	**449**

SB11		
Sample ID	**SB11_8.5-9.5**	**SB11_12-13**
Sampling Date	**9/29/2015**	**9/29/2015**
Sample Depth (feet)	**8.5'-9.5'**	**12'-13'**
VOCs (mg/kg)	ND	ND
SVOCs (mg/kg)	ND	ND
Pesticides (mg/kg)	ND	ND
PCBs (mg/kg)	ND	ND
Metals (mg/kg)	NE	NE

SB24		
Sample ID	**SB24_3.5-4.5**	**SB22_11-12**
Sampling Date	**9/29/2015**	**9/29/2015**
Sample Depth (feet)	**3.5'-4.5'**	**11'-12'**
Metals (mg/kg)		
Lead	**75**	7.90

SB23		
Sample ID	**SB23_8.5-9.5**	**SB23_11.5-12.5**
Sampling Date	**9/30/2015**	**9/30/2015**
Sample Depth (feet)	**8.5'-9.5'**	**11.5'-12.5'**
SVOCs (mg/kg)		
Benzo(a)anthracene	**3.73 D**	ND<0.071
Benzo(a)pyrene	**1.96 D**	ND<0.071
Benzo(b)fluoranthene	**1.36 D**	ND<0.071
Benzo(k)fluoranthene	**1.81 D**	ND<0.071
Chrysene	**2.99 D**	ND<0.071
Dibenzo(a,h)anthracene	**0.57 D**	ND<0.071
Indeno(1,2,3-cd)pyrene	**0.74 D**	ND<0.071

SB16		
Sample ID	**SB16_3-4**	**SB16_11.5-12.5**
Sampling Date	**9/29/2015**	**9/29/2015**
Sample Depth (feet)	**3'-4'**	**11.5'-12.5'**
SVOCs (mg/kg)		
Indeno(1,2,3-cd)pyrene	**1.36 D**	ND<0.072
Metals (mg/kg)		
Copper	**185**	16.10
Lead	**240**	3.96
Mercury	**0.25**	ND<0.034
Zinc	**110**	39.30

SB26	
Sample ID	**SB26_1-2**
Sampling Date	**9/29/2015**
Sample Depth (feet)	**1'-2'**
Metals (mg/kg)	
Copper	**82.8**
Lead	**502**
Zinc	**331**

SB17			
Sample ID	**SB17_3.5-4.5**	**SODUP03_9.29.15**	**SB17_11.5-12.5**
Sampling Date	**9/29/2015**	**9/29/2015**	**9/29/2015**
Sample Depth (feet)	**3.5'-4.5'**	**3.5'-4.5'**	**11.5'-12.5'**
Metals (mg/kg)			
Lead	**93.40**	**91.30**	5.39
Mercury	**0.49**	**0.59**	ND<0.033
Zinc	**254**	**271**	31.70

SB15			
Sample ID	**SB15_2.5-3.5**	**SODUP02_9.29.15**	**SB15_11.5-12.5**
Sampling Date	**9/29/2015**	**9/29/2015**	**9/29/2015**
Sample Depth (feet)	**2.5'-3.5'**	**2.5'-3.5'**	**11.5'-12.5'**
Metals (mg/kg)			
Barium	**444**	**1,010**	43.50
Copper	**472**	**216**	20.70
Lead	**1,980**	**1,440**	12.70
Mercury	**0.59**	**0.68**	ND<0.033
Nickel	**34.50**	**31.90**	15.30
Zinc	**674**	**749**	31.40

SB14		
Sample ID	**SB14_2-3**	**SB12_11.5-12.5**
Sampling Date	**9/28/2015**	**9/28/2015**
Sample Depth (feet)	**2'-3'**	**11.5'-12.5'**
Metals (mg/kg)		
Chromium, Trivalent	22.1	**41.4**

SB13			
Sample ID	**SB13_9-10**	**SB13_14-15**	**SODUP01_9.28.15**
Sampling Date	**9/28/2015**	**9/28/2015**	**9/28/2015**
Sample Depth (feet)	**9'-10'**	**14'-15'**	**14'-15'**
Metals (mg/kg)			
Chromium, Hexavalent	**3.36**	ND<0.55	ND<0.55
Chromium, Trivalent	27.70	20.30	**33.6**
Copper	14	**62.10**	19.2
Lead	6.3	**120**	6.35

SB12		
Sample ID	**SB12_1-2**	**SB12_11.5-12.5**
Sampling Date	**9/28/2015**	**9/28/2015**
Sample Depth (feet)	**1'-2'**	**11.5'-12.5'**
Metals (mg/kg)		
Barium	**380**	35.9
Lead	**679**	7.27
Mercury	**0.59**	ND<0.033
Zinc	**530**	29.7

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FORMER INTERNAL LOT BOUNDARIES
- PROPOSED BUILDING FOOTPRINT (APPROXIMATE)
- SB07/MW07 — SOIL BORING LOCATION. "MWXX" DENOTES A MONITORING WELL LOCATION.
- SB25 — SURFICIAL SOIL SAMPLE LOCATION
- SB-4(MW) — 2015 SOIL BORING LOCATION. (MW) DENOTES A TEMPORARY MONITORING WELL LOCATION [LANGAN LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION, DATED 3 FEBRUARY 2015]
- B9 — 2013 SOIL BORING LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GW9 — 2013 TEMPORARY MONITORING WELL LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GPR ANOMALY INDICATIVE OF UST

NOTES:

1. BACKGROUND PLAN TAKEN FROM SURVEY CONDUCTED BY PERFECT POINT LAND SURVEYING RT ON MARCH 27, 2014.
2. LOCATIONS OF SOIL BORINGS AND SOIL VAPOR POINTS ARE SHOWN AS APPROXIMATE.
3. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
4. DRILLING WAS PERFORMED WITH A DIRECT-PUSH SAMPLER
5. A 2-INCH MACRO-CORE SAMPLER WAS USED TO OBTAIN SOIL SAMPLES FOR CLASSIFICATION AND LABORATORY TESTING. THE SAMPLES WERE OBTAINED CONTINUOUSLY AT 5-FOOT INTERVALS.
6. AOC – AREA OF CONCERN
7. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC NYCRR PART 375-6.8(A) UNRESTRICTED AND RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES (SCO).
8. ONLY ANALYTES WITH EXCEEDANCES ARE SHOWN.
9. VOC – VOLATILE ORGANIC COMPOUND
10. SVOC – SEMI-VOLATILE ORGANIC COMPOUND
11. MG/KG – MILLIGRAMS PER KILOGRAM
12. ND – NOT DETECTED
13. NE – NO EXCEEDANCE

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential Use SCOs
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	3.6	52
1,3,5-Trimethylbenzene	8.4	52
Acetone	0.05	100
Benzene	0.06	4.8
Ethyl Benzene	1	41
Methylene chloride	0.05	100
Naphthalene	12	100
n-Propylbenzene	3.9	100
Toluene	0.7	100
Xylenes, Total	0.26	100
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Metals (mg/kg)		
Arsenic	13	16
Barium	350	400
Chromium, Hexavalent	1	110
Chromium, Trivalent	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Residential Soil Cleanup Objectives

Indicates laboratory reporting limits were above the applicable criteria

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Collectively known as Langan

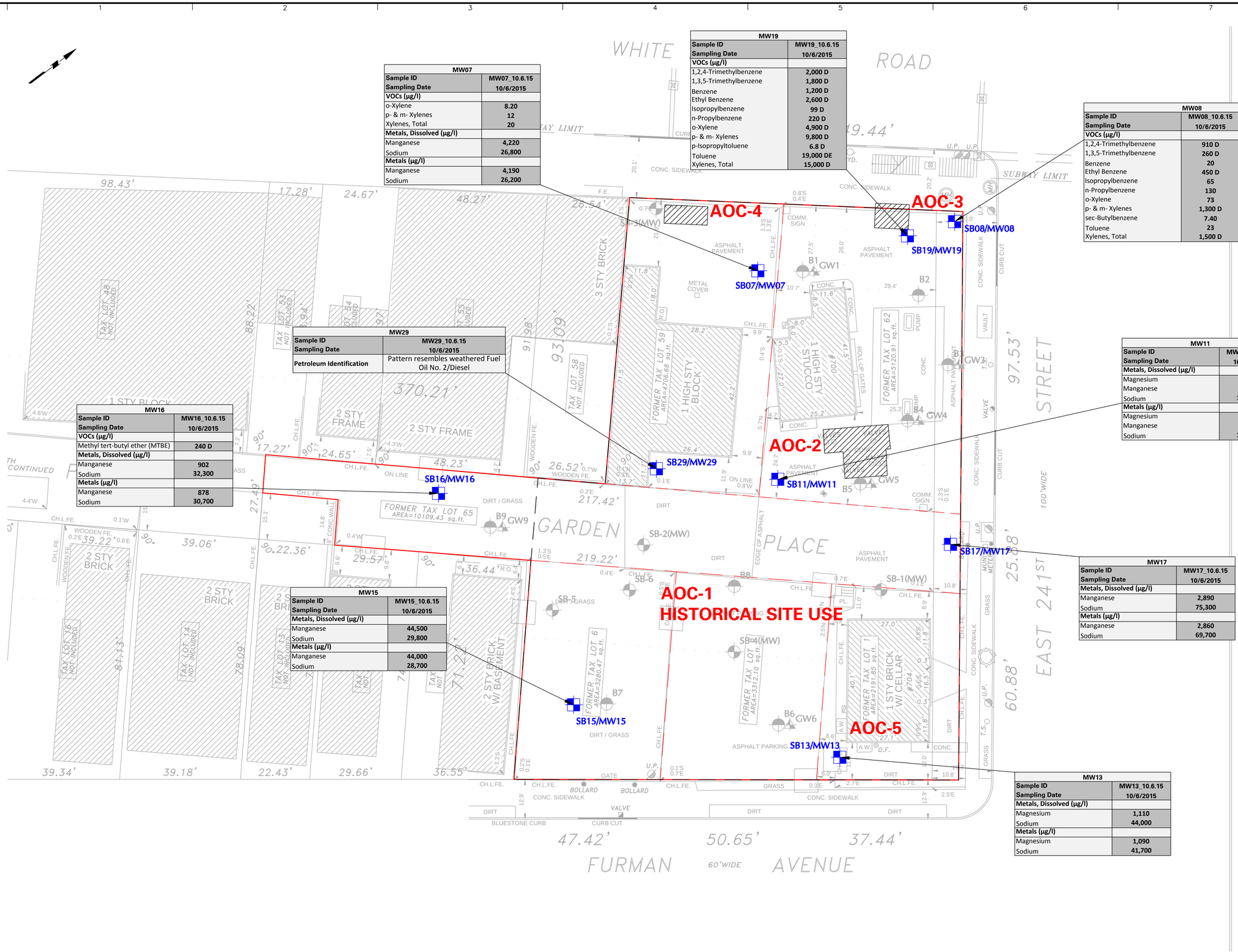
Project: ENCLAVE ON 241ST STREET DEVELOPMENT
BLOCK No. 5087, LOT No. 1
BRONX NEW YORK

Drawing Title: SOIL SAMPLE LOCATIONS AND RESULTS MAP

Project No. 140115301
Date NOVEMBER 2015
Scale 1"=15'
Drawn By JPH Checked By RJW
Submission Date NOVEMBER 2015
Drawing No. 4
Sheet 4 of 6

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\2D-DesignFiles\RIR\Soil Analytical Results Map REV.dwg Date: 12/1/2015 Time: 15:46 User: jhall Style Table: Langan.stb Layout: ARCHD-BL

LANGAN
SUBMISSION DATE: NOVEMBER 2015
PROJECT NO. 140115301



MW07	
Sample ID	**MW07_10.6.15**
Sampling Date	**10/6/2015**
VOCs (µg/l)	
o-Xylene	**8.20**
p- & m- Xylenes	**12**
Xylenes, Total	**20**
Metals, Dissolved (µg/l)	
Manganese	**4,220**
Sodium	**26,800**
Metals (µg/l)	
Manganese	**4,190**
Sodium	**26,200**

MW19	
Sample ID	**MW19_10.6.15**
Sampling Date	**10/6/2015**
VOCs (µg/l)	
1,2,4-Trimethylbenzene	**2,000 D**
1,3,5-Trimethylbenzene	**1,800 D**
Benzene	**1,200 D**
Ethyl Benzene	**2,600 D**
Isopropylbenzene	**99 D**
n-Propylbenzene	**220 D**
o-Xylene	**4,900 D**
p- & m- Xylenes	**9,800 D**
p-Isopropyltoluene	**6.8 D**
Toluene	**19,000 DE**
Xylenes, Total	**15,000 D**

MW08		
Sample ID	**MW08_10.6.15**	**GWDUP_10.6.16**
Sampling Date	**10/6/2015**	**10/6/2015**
VOCs (µg/l)		
1,2,4-Trimethylbenzene	**910 D**	**880 D**
1,3,5-Trimethylbenzene	**260 D**	**240 D**
Benzene	**20**	**31**
Ethyl Benzene	**450 D**	**420 D**
Isopropylbenzene	**65**	**70**
n-Propylbenzene	**130**	**140**
o-Xylene	**73**	**55 D**
p- & m- Xylenes	**1,300 D**	**1,200 DE**
sec-Butylbenzene	**7.40**	**7.80**
Toluene	**23**	**18**
Xylenes, Total	**1,500 D**	**1,300 DE**

MW29	
Sample ID	**MW29_10.6.15**
Sampling Date	**10/6/2015**
Petroleum Identification	Pattern resembles weathered Fuel Oil No. 2/Diesel

MW11	
Sample ID	**MW11_10.6.15**
Sampling Date	**10/6/2015**
Metals, Dissolved (µg/l)	
Magnesium	**37,000**
Manganese	**2,780**
Sodium	**116,000**
Metals (µg/l)	
Magnesium	**35,400**
Manganese	**2,630**
Sodium	**114,000**

MW16	
Sample ID	**MW16_10.6.15**
Sampling Date	**10/6/2015**
VOCs (µg/l)	
Methyl tert-butyl ether (MTBE)	**240 D**
Metals, Dissolved (µg/l)	
Manganese	**902**
Sodium	**32,300**
Metals (µg/l)	
Manganese	**878**
Sodium	**30,700**

MW17	
Sample ID	**MW17_10.6.15**
Sampling Date	**10/6/2015**
Metals, Dissolved (µg/l)	
Manganese	**2,890**
Sodium	**75,300**
Metals (µg/l)	
Manganese	**2,860**
Sodium	**69,700**

MW15	
Sample ID	**MW15_10.6.15**
Sampling Date	**10/6/2015**
Metals, Dissolved (µg/l)	
Manganese	**44,500**
Sodium	**29,800**
Metals (µg/l)	
Manganese	**44,000**
Sodium	**28,700**

MW13	
Sample ID	**MW13_10.6.15**
Sampling Date	**10/6/2015**
Metals, Dissolved (µg/l)	
Magnesium	**1,110**
Sodium	**44,000**
Metals (µg/l)	
Magnesium	**1,090**
Sodium	**41,700**

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FORMER INTERNAL LOT BOUNDARIES
- PROPOSED BUILDING FOOTPRINT (APPROXIMATE)
- SB11/MW11 — SOIL BORING LOCATION. "MWXX" DENOTES A MONITORING WELL LOCATION.
- SB-4(MW) — 2015 SOIL BORING LOCATION. (MW) DENOTES A TEMPORARY MONITORING WELL LOCATION [LANGAN LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION, DATED 3 FEBRUARY 2015]
- B9 — 2013 SOIL BORING LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GW9 — 2013 TEMPORARY MONITORING WELL LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GPR ANOMALY INDICATIVE OF UST

NOTES:

1. BACKGROUND PLAN TAKEN FROM SURVEY CONDUCTED BY PERFECT POINT LAND SURVEYING RT ON MARCH 27, 2014.
2. MONITORING WELLS LOCATIONS AND TOP OF PVC ELEVATIONS SURVEYED BY LANGAN ON OCTOBER 9, 2015, REFERENCED TO ARBITRARY ELEVATION OF 100.0 FEET AT ONSITE SURVEY CONTROL POINT.
3. LOCATIONS OF SOIL BORINGS AND SOIL VAPOR POINTS ARE SHOWN AS APPROXIMATE.
4. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
5. DRILLING WAS PERFORMED WITH A DIRECT-PUSH SAMPLER
6. GROUNDWATER MONITORING WELL CONSISTS OF 10 FEET 1-INCH-DIAMETER SCHEDULE PVC SCREEN AND ATTACHED RISER. ANNULUS AROUND THE PVC WAS BACKFILLED WITH NO. 1 SAND.
7. AOC – AREA OF CONCERN
8. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC TECHNICAL OPERATION AND GUIDANCE SERIES (TOGS) STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER SUPPLIES.
9. VOC – VOLATILE ORGANIC COMPOUND
10. SVOC – SEMI-VOLATILE ORGANIC COMPOUND
11. MG/L – MILLIGRAMS PER LITER
12. UG/L – MICROGRAMS PER LITER
13. ND – NOT DETECTED

Analyte	NYSDEC TOGS Standards and Guidance Values - GA
VOCs (µg/l)	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Ethyl Benzene	5
Isopropylbenzene	5
Methyl tert-butyl ether (MTBE)	10
n-Propylbenzene	5
o-Xylene	5
p- & m- Xylenes	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
Toluene	5
Xylenes, Total	5
Metals, Dissolved (µg/l)	
Magnesium	35,000
Manganese	300
Sodium	20,000
Metals (µg/l)	
Magnesium	35,000
Manganese	300
Sodium	20,000
Petroleum Identification	~

Indicates exceedance of the Groundwater Quality Standards Part 703

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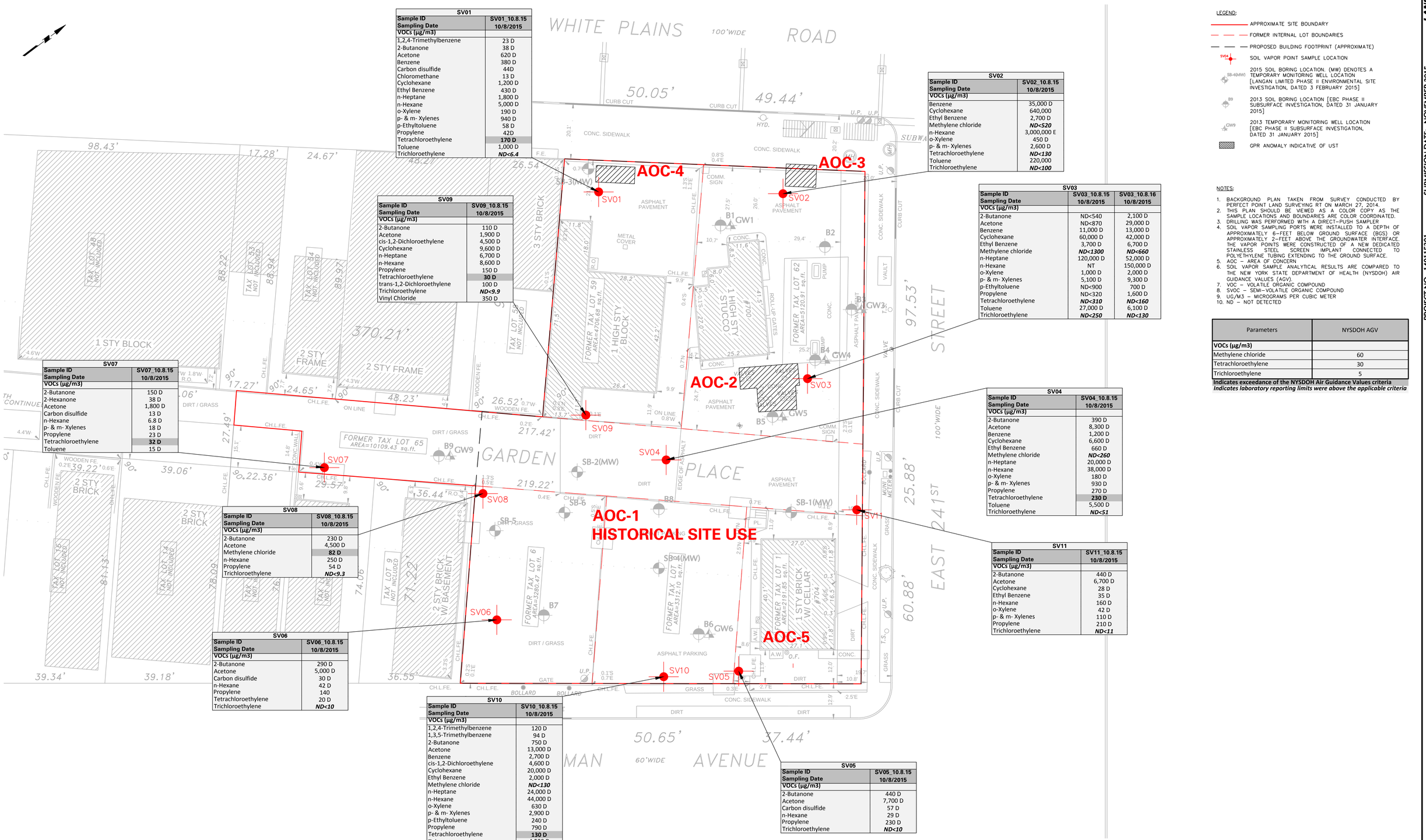
Project
ENCLAVE ON 241ST STREET DEVELOPMENT
BLOCK No. 5087, LOT No. 1
BRONX NEW YORK

Drawing Title
GROUNDWATER LOCATIONS AND RESULTS MAP

Project No. 140115301	Drawing No. 5
Date NOVEMBER 2015	
Scale 1"=15'	
Drawn By JPH / Checked By RJW	
Submission Date NOVEMBER 2015	Sheet 5 of 6

SUBMISSION DATE: NOVEMBER 2015
PROJECT NO. 140115301

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\2D-DesignFiles\RIR\GW Results Map REV 12-2015.dwg Date: 12/1/2015 Time: 15:48 User: jhall Style Table: Langan.stb Layout: ARCHD-BL



SV01	
Sample ID	**SV01_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
1,2,4-Trimethylbenzene	23 D
2-Butanone	38 D
Acetone	620 D
Benzene	380 D
Carbon disulfide	44D
Chloromethane	13 D
Cyclohexane	1,200 D
Ethyl Benzene	430 D
n-Heptane	1,800 D
n-Hexane	5,000 D
o-Xylene	190 D
p- & m- Xylenes	940 D
p-Ethyltoluene	58 D
Propylene	42D
Tetrachloroethylene	**170 D**
Toluene	1,000 D
Trichloroethylene	***ND<6.4***

SV02	
Sample ID	**SV02_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
Benzene	35,000 D
Cyclohexane	640,000
Ethyl Benzene	2,700 D
Methylene chloride	***ND<520***
n-Hexane	3,000,000 E
o-Xylene	450 D
p- & m- Xylenes	2,600 D
Tetrachloroethylene	***ND<130***
Toluene	220,000
Trichloroethylene	***ND<100***

SV03		
Sample ID	**SV03_10.8.15**	**SV03_10.8.16**
Sampling Date	**10/8/2015**	**10/8/2015**
VOCs (µg/m3)		
2-Butanone	ND<540	2,100 D
Acetone	ND<870	29,000 D
Benzene	11,000 D	13,000 D
Cyclohexane	60,000 D	42,000 D
Ethyl Benzene	3,700 D	6,700 D
Methylene chloride	***ND<1300***	***ND<660***
n-Heptane	120,000 D	52,000 D
n-Hexane	NT	150,000 D
o-Xylene	1,000 D	2,000 D
p- & m- Xylenes	5,100 D	9,300 D
p-Ethyltoluene	ND<900	700 D
Propylene	ND<320	1,600 D
Tetrachloroethylene	***ND<310***	***ND<160***
Toluene	27,000 D	6,100 D
Trichloroethylene	***ND<250***	***ND<130***

SV04	
Sample ID	**SV04_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	390 D
Acetone	8,300 D
Benzene	1,200 D
Cyclohexane	6,600 D
Ethyl Benzene	660 D
Methylene chloride	***ND<260***
n-Heptane	20,000 D
n-Hexane	38,000 D
o-Xylene	180 D
p- & m- Xylenes	930 D
Propylene	270 D
Tetrachloroethylene	**230 D**
Toluene	5,500 D
Trichloroethylene	***ND<51***

SV05	
Sample ID	**SV05_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	440 D
Acetone	7,700 D
Carbon disulfide	57 D
n-Hexane	29 D
Propylene	230 D
Trichloroethylene	***ND<10***

SV06	
Sample ID	**SV06_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	290 D
Acetone	5,000 D
Carbon disulfide	30 D
n-Hexane	42 D
Propylene	140
Tetrachloroethylene	20 D
Trichloroethylene	***ND<10***

SV07	
Sample ID	**SV07_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	150 D
2-Hexanone	38 D
Acetone	1,800 D
Carbon disulfide	13 D
n-Hexane	6.8 D
p- & m- Xylenes	18 D
Propylene	23 D
Tetrachloroethylene	**32 D**
Toluene	15 D

SV08	
Sample ID	**SV08_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	230 D
Acetone	4,500 D
Methylene chloride	**82 D**
n-Hexane	250 D
Propylene	54 D
Trichloroethylene	***ND<9.3***

SV09	
Sample ID	**SV09_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
2-Butanone	110 D
Acetone	1,900 D
cis-1,2-Dichloroethylene	4,500 D
Cyclohexane	9,600 D
n-Heptane	6,700 D
n-Hexane	8,600 D
Propylene	150 D
Tetrachloroethylene	**30 D**
trans-1,2-Dichloroethylene	100 D
Trichloroethylene	***ND<9.9***
Vinyl Chloride	350 D

SV10	
Sample ID	**SV10_10.8.15**
Sampling Date	**10/8/2015**
VOCs (µg/m3)	
1,2,4-Trimethylbenzene	120 D
1,3,5-Trimethylbenzene	94 D
2-Butanone	750 D
Acetone	13,000 D
Benzene	2,700 D
cis-1,2-Dichloroethylene	4,600 D
Cyclohexane	20,000 D
Ethyl Benzene	2,000 D
Methylene chloride	***ND<130***
n-Heptane	24,000 D
n-Hexane	44,000 D
o-Xylene	630 D
p- & m- Xylenes	2,900 D
p-Ethyltoluene	240 D
Propylene	790 D
Tetrachloroethylene	**130 D**
Toluene	4,500 D
trans-1,2-Dichloroethylene	150 D
Trichloroethylene	**760 D**
Vinyl Chloride	430 D

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FORMER INTERNAL LOT BOUNDARIES
- PROPOSED BUILDING FOOTPRINT (APPROXIMATE)
- SV04 — SOIL VAPOR POINT SAMPLE LOCATION
- SB-4(MW) — 2015 SOIL BORING LOCATION. (MW) DENOTES A TEMPORARY MONITORING WELL LOCATION [LANGAN LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION, DATED 3 FEBRUARY 2015]
- B9 — 2013 SOIL BORING LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GW9 — 2013 TEMPORARY MONITORING WELL LOCATION [EBC PHASE II SUBSURFACE INVESTIGATION, DATED 31 JANUARY 2015]
- GPR ANOMALY INDICATIVE OF UST

NOTES:

1. BACKGROUND PLAN TAKEN FROM SURVEY CONDUCTED BY PERFECT POINT LAND SURVEYING RT ON MARCH 27, 2014.
2. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE SAMPLE LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.
3. DRILLING WAS PERFORMED WITH A DIRECT-PUSH SAMPLER
4. SOIL VAPOR SAMPLING PORTS WERE INSTALLED TO A DEPTH OF APPROXIMATELY 6-FEET BELOW GROUND SURFACE (BGS) OR APPROXIMATELY 2-FEET ABOVE THE GROUNDWATER INTERFACE. THE VAPOR POINTS WERE CONSTRUCTED OF A NEW DEDICATED STAINLESS STEEL SCREEN IMPLANT CONNECTED TO POLYETHYLENE TUBING EXTENDING TO THE GROUND SURFACE.
5. AOC – AREA OF CONCERN
6. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDANCE VALUES (AGV).
7. VOC – VOLATILE ORGANIC COMPOUND
8. SVOC – SEMI-VOLATILE ORGANIC COMPOUND
9. UG/M3 – MICROGRAMS PER CUBIC METER
10. ND – NOT DETECTED

Parameters	NYSDOH AGV
VOCs (µg/m3)	
Methylene chloride	60
Tetrachloroethylene	30
Trichloroethylene	5

Indicates exceedance of the NYSDOH Air Guidance Values criteria
Indicates laboratory reporting limits were above the applicable criteria

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Drawing Title
SOIL VAPOR LOCATIONS AND RESULTS MAP

Project No. 140115301	Drawing No. 6
Date NOVEMBER 2015	
Scale 1"=15'	
Drawn By JPH / Checked By RJW	
Submission Date NOVEMBER 2015	Sheet 6 of 6

SUBMISSION DATE: NOVEMBER 2015
PROJECT NO. 140115301

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\2D-DesignFiles\RIR\SV Results Map REV.dwg Date: 12/1/2015 Time: 15:49 User: jhall Style Table: Langan.stb Layout: ARCHD-BL