July 2022 Monthly Progress Report
Enclave on 241st Street Development
714 East 241st Street, Bronx, New York
Brownfield Cleanup Program Site #: C203077

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 July 2022.

The Volunteer originally entered into a BCA with NYSDEC on 17 August 2015 to investigate and remediate the approximate 24,060-square-foot site (Block 5087, Lot 1). Following completion of the Remedial Investigation Report (dated April 2016) and Remedial Action Work Plan (dated March 2016), a Decision Document was issued for the Subject Property on 31 March 2016. In a letter and Brownfield Cleanup Program Application to Amend Brownfield Cleanup Agreement and Amendment (dated 17 July 2016), the Volunteer requested the BCA be amended to include an adjacent 2,630-square-foot lot located at 4637 Furman Avenue (Block 5087, Lot 9) as this will be included in the proposed development. The amendment request was approved by NYSDEC on 18 October 2016.

The Site (Block 5087, Lots 1 and 9) encompasses approximately 26,690 square feet and includes approximately 100 feet of frontage along White Plains Road, 185 feet of frontage along 241st Street, and 171 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. Prior to demolition activities, the Site contained four 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, an approximate 1,500-square foot one-story former auto body shop building, and an approximate 2,400-square foot, two-story residential building with a basement. 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 Attachment 1.

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

In April 2022, a waste characterization program was performed by Langan at the Site. On 28 July 2022, supplemental characterization sampling was performed to further characterize areas of proposed excavation and off-site disposal. Upon completion of this scope, additional sampling will likely be necessary to meet the analytical acceptance requirements of the selected disposal facility. The results

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

None.

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

None in this period.

5. Results of Sampling, Testing and Other Relevant Data

Sampling and analytical methods, sampling frequency, analytical results, and QA/QC for Langan's waste characterization sampling will be reported in the Final Engineering Report (FER).

6. Deliverables Submitted During This Reporting Period

None in this period.

7. Information Regarding Percentage of Completion

Approximately 16%

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

None in this period.

Enclosed:

Attachment 1 – Site Location Map
Attachment 2 – Site Layout Map
Attachment 3 – Fifth Round of Post-Injection Groundwater Analytical Results

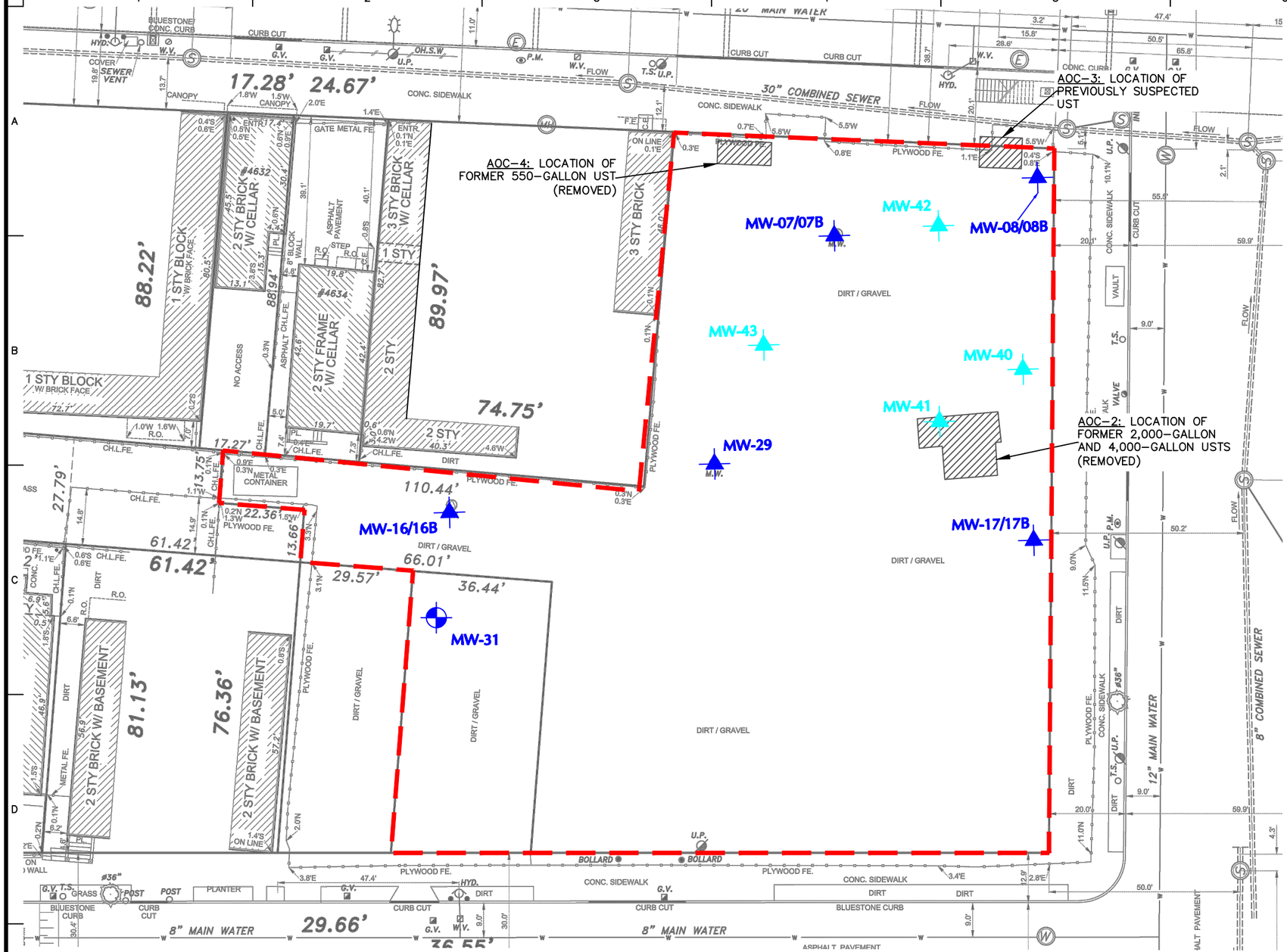
ATTACHMENT 1

SITE LOCATION MAP

C203077

ENCLAVE ON 241ST STREET DEVELOPMENT

ATTACHMENT 2



NOTES

1. BASE MAP PROVIDED BY PERFECT POINT LAND SURVEYING RT (DATED 4 APRIL 2019).
2. THIS PLAN SHOULD BE VIEWED AS A COLOR COPY AS THE BORING LOCATIONS AND BOUNDARIES ARE COLOR COORDINATED.

LEGEND

- SITE BOUNDARY
- EXISTING GROUNDWATER MONITORING WELL
- NEWLY INSTALLED GROUNDWATER MONITORING WELL – INSTALLED JULY 2020

30 0 15 30

SCALE IN FEET

LANGAN

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Project

ENCLAVE ON 241ST STREET DEVELOPMENT

NEW YORK

BRONX NEW YORK

Drawing Title

SITE LAYOUT MAP

Project No.	140115301
Date	AUGUST 2020
Drawn By	KT
Checked By	RJW

Drawing No. **2**

Sheet 2 of 2

Filename: \\langan.com\data\NH\data3\140115301\Cadd Data - 140115301\SheetFiles\2019.11 Monthly Report\140115301-GI001-0101_MonthlyReport.dwg Date: 8/14/2020 Time: 10:42 User: ktwombly Style Table: Langan.stb Layout: ANSIB-BL

ATTACHMENT 3

Attachment 3
5th Round of Post-Injection Sampling Analytical Results Summary
714 East 214th Street, Bronx, NY
Langan Project No.: 140115301

Sample Location	NYSDEC TOGS Standards and Guidance Values - GA	MW-7B		MW-08		MW-29		MW-40		MW-40D		MW-41				MW-41D				MW-42		MW-42D		Field Blank	
Sample ID		MW-7B_2022.07.26		MW-08_2022.07.27		MW-29_2022.07.26		MW-40_2022.07.26		MW-40D_2022.07.26		MW-41_2022.07.27		DUP-Metals_2022.07.27		MW-41D_2022.07.27		DUP_2022.07.27		MW-42_2022.07.26		MW-42D_2022.07.26		Filed Blank_2022.07.27	
Sampling Date		7/26/2022		7/27/2022		7/26/2022		7/26/2022		7/26/2022		7/27/2022		7/27/2022		7/27/2022		7/27/2022		7/26/2022		7/26/2022		7/27/2022	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs (µg/L)																									
Dilution Factor		1		5		1		100		50		10				50		50		10		100		1	
1,1,1,2-Tetrachloroethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,1,1-Trichloroethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,1,2,2-Tetrachloroethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,1,2-Trichloroethane	1	0.2	U	1.0	U	0.2	U	*10*	U	**27**	D	*2.0*	U	NT		1	U	1.0	U	**24**	D	**29**	D	0.2	U
1,1-Dichloroethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	JD	0.2	U
1,1-Dichloroethylene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,2,3-Trichlorobenzene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,2,3-Trichloropropane	0.04	*0.2*	U	*1.0*	U	*0.2*	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	*0.2*	U
1,2,4-Trichlorobenzene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	2.0	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
1,2,4-Trimethylbenzene	5	0.2	U	**57.2**	D	0.2	U	**3,410**	D	**615**	D	**141.0**	D	NT		**1,330**	D	**1,370.0**	D	**725**	D	**1,210**	D	0.2	U
1,2-Dibromo-3-chloropropane	0.04	*0.2*	U	*1.0*	U	*0.2*	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	*0.2*	U
1,2-Dibromoethane	0.0006	*0.2*	U	*1.0*	U	*0.2*	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	*0.2*	U
1,2-Dichlorobenzene	3	0.2	U	1.0	U	0.2	U	*10*	U	**2**	U	*2.0*	U	NT		1	U	1.0	U	*2*	U	2	U	0.2	U
1,2-Dichloroethane	0.6	0.2	U	*1.0*	U	0.2	U	**98**	D	**78**	D	*2.0*	U	NT		*1*	U	*1.0*	U	**19**	D	**91**	D	0.2	U
1,2-Dichloropropane	1	0.2	U	1.0	U	0.2	U	*10*	U	*2*	U	*2.0*	U	NT		1	U	1.0	U	*2*	U	*2*	U	0.2	U
1,3,5-Trimethylbenzene	5	0.2	U	**22.50**	D	0.2	U	**1,000**	D	**180**	D	**49.3**	D	NT		**358**	D	**343.0**	D	**293**	D	**341**	D	0.2	U
1,3-Dichlorobenzene	3	0.2	U	1.0	U	0.2	U	*10*	U	**2**	U	*2.0*	U	NT		1	U	1.0	U	*2*	U	2	U	0.2	U
1,4-Dichlorobenzene	3	0.2	U	1.0	U	0.2	U	*10*	U	**2**	U	*2.0*	U	NT		1	U	1.0	U	*2*	U	2	U	0.2	U
2-Butanone	50	4.7		6.8	D	0.7		**227**	D	49	D	**8.2**	D	NT		17	D	16.0	D	28	D	**51.2**	D	0.2	U
2-Hexanone	50	0.2	U	1.0	U	0.2	U	**114**	D	16	D	2.0	U	NT		1	U	1.0	U	26	D	10.6	D	0.2	U
4-Methyl-2-pentanone	~	0.2	U	1.0	U	0.2	U	174	D	18	D	2.0	U	NT		1	U	1.0	U	17	D	13.6	D	0.2	U
Acetone	50	45.5		5.0	U	4.10		**732**	D	**85**	D	*23*	D	NT		**41**	D	38.00	D	**62**	D	**117**	D	1	U
Benzene	1	0.3	J	1.0	U	0.2	U	**2,870**	D	**3,710**	D	**15.6**	D	NT		**378**	D	**378.0**	D	**584**	D	**4,310**	D	0.2	U
Bromochloromethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Bromoform	50	0.2	U	1.0	U	0.2	U	10	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Bromomethane	5	0.7		1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Carbon disulfide	~	0.2	U	1.0	U	0.2	U	10	U	2	U	2.1	JD	NT		1	U	1.0	U	2	U	2	U	0.2	U
Carbon tetrachloride	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Chlorobenzene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Chloroethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Chloroform	7	0.2	U	1.0	U	0.2	U	**17**	JD	6	D	*2.0*	U	NT		1	U	1.0	U	3	JD	**9**	D	0.2	U
Chloromethane	5	1.4		1.0	U	0.2	U	**21**	JD	2	U	2.0	U	NT		1	U	1.0	U	2	U	3.5	JD	0.2	U
cis-1,2-Dichloroethylene	5	0.2	U	1.0	U	0.9		*10*	U	2	U	*2.0*	U	NT		1	U	1.00	U	2	U	2	U	0.2	U
cis-1,3-Dichloropropylene	0.4	0.2	U	*1.0*	U	0.2	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	0.2	U
Cyclohexane	~	0.2	U	17.6	D	0.2	U	236	D	102	D	29.3	D	NT		187	D	187.0	D	44	D	139	D	0.2	U
Dichlorodifluoromethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	**2**	U	0.2	U
Ethyl Benzene	5	0.2	U	**5.35**	D	0.2	U	**2,680**	D	**855**	D	**78.9**	D	NT		**1,310**	D	**1,360.0**	D	**233**	D	**1,540**	D	0.2	U
Hexachlorobutadiene	0.5	0.2	U	*1.0*	U	0.2	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	0.2	U
Isopropylbenzene	5	0.2	U	1.80	JD	0.2	U	**166**	D	**42.6**	D	**7.2**	D	NT		**58**	D	**56.3**	D	**29.3**	D	**68**	D	0.2	U
Methyl acetate	~	0.2	U	1.0	U	0.2	U	10	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	*2*	U	0.2	U
Methyl tert-butyl ether (MTBE)	10	0.2	U	1.0	U	0.2	U	**44**	D	**3,240**	D	**48.8**	D	NT		**159**	D	**160.0**	D	**530**	D	**301**	D	0.2	U
Methylcyclohexane	~	0.2	U	5.5	D	0.31	J	430	D	156	D	24.2	D	NT		212	D	206.00	D	93	D	190	D	0.2	U
Methylene chloride	5	1.0	U	5	U	1	J	*50*	U	*10*	U	*10.0*	U	NT		5	U	5	U	*10*	U	*10*	U	**3.7**	
n-Butylbenzene	5	0.2	U	3.8	D	0.2	U	**148**	D	**10**	D	*2.2*	JD	NT		**14**	D	**21.9**	D	**45**	D	**23.2**	D	0.2	U
n-Propylbenzene	5	0.2	U	4.35	D	0.2	U	**441**	D	**102**	D	**19.8**	D	NT		**174**	D	**168.0**	D	**57**	D	**160**	D	0.2	U
o-Xylene	5	0.2	U	**12.80**	D	0.2	U	**4,710**	D	**147**	D	**104.0**	D	NT		**1,090**	D	**1,130.0**	D	**743**	D	**3,450**	D	0.2	U
p- & m- Xylenes	~	0.5	U	26.6	D	0.5	U	9,870	D	1,090	D	263	D	NT		3,310	D	3,460.0	D	1,140	D	6,600	D	0.5	U
p-Isopropyltoluene	5	0.2	U	1.00	U	0.2	U	**21**	JD	**4**	JD	2.0	U	NT		4	D	3.9	D	**7.900**	D	4.3	JD	0.2	U
sec-Butylbenzene	5	0.2	U	1.0	JD	0.2	J	**40**	D	**5**	JD	2.0	U	NT		**6**	D	**6.1**	D	**12**	D	**7.2**	D	0.2	U
Styrene	5	0.2	U	1.0	U	0.2	U	**152**	D	2	U	*2.0*	U	NT		1	U	**36.4**	D	2	U	**85.5**	D	0.2	U
tert-Butyl alcohol (TBA)	~	3.4		2.5	U	0.8	J	25	U	218	D	5	U	NT		3	U	2.5	U	80.800	D	71	D	3.0	
tert-Butylbenzene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Tetrachloroethylene	5	4.6		1.0	U	0.70		*10*	U	**21**	D	*2.0*	U	NT		1	U	1.00	U	2	U	2	U	0.2	U
Toluene	5	0.2	U	**5.2**	D	0.2	U	**11,300**	D	**625**	D	**54.8**	D	NT		**2,880**	D	**2,980.0**	D	**831**	D	**11,200**	D	0.2	U
trans-1,2-Dichloroethylene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
trans-1,3-Dichloropropylene	0.4	0.2	U	*1.0*	U	0.2	U	*10*	U	*2*	U	*2.0*	U	NT		*1*	U	*1.0*	U	*2*	U	*2*	U	0.2	U
Trichloroethylene	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Trichlorofluoromethane	5	0.2	U	1.0	U	0.2	U	*10*	U	2	U	*2.0*	U	NT		1	U	1.0	U	2	U	2	U	0.2	U
Vinyl Chloride	2	0.2	U	1.0	U	0.2	U	*10*	U	**2**	U	*2.0*	U	NT		1	U	1.0	U	*2*	U	2	U	0.2	U
Xylenes, Total	5	0.6	U	**39.4**	D	0.6	U	**14,600**	D	**1,240**	D	**367**	D	NT		**4,400**	D	**4,580.0**	D	**1,890**	D	**10,100**	D	0.6	U

NOTES:
Q = Qualifier column
~ = This indicates that no regulaory limit has been established for this analyte
B = Analyte found in the analysis batch blank
D = Result is from an analysis that required a dilution
J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
NT = This indicates the analyte was not a target for this sample
U = Analyte not detected at or above the level indicated
NYSDEC TOGS = New York State Department of Environmental Conservation Technical and Operational Guidance Series
µg/L = Microgram per liter

Indicates a detection above reporting limits
Indicates an exceedance of NYSDEC TOGS Standards and Guidance Values - GA

Attachment 3
5th Round of Post-Injection Sampling Analytical Results Summary
714 East 214th Street, Bronx, NY
Langan Project No.: 140115301

Sample Location	NYSDEC TOGS Standards and Guidance Values - GA	MW-7B		MW-08		MW-29		MW-40		MW-40D		MW-41				MW-41D				MW-42		MW-42D		Field Blank	
Sample ID		MW-7B_2022.07.26		MW-08_2022.07.27		MW-29_2022.07.26		MW-40_2022.07.26		MW-40D_2022.07.26		MW-41_2022.07.27		DUP-Metals_2022.07.27		MW-41D_2022.07.27		DUP_2022.07.27		MW-42_2022.07.26		MW-42D_2022.07.26		Filed Blank_2022.07.27	
Sampling Date		7/26/2022		7/27/2022		7/26/2022		7/26/2022		7/26/2022		7/27/2022		7/27/2022		7/27/2022		7/27/2022		7/26/2022		7/26/2022		7/27/2022	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
SVOCs, Low Master (µg/L)																									
Dilution Factor		1		1		1		1		1		1				10		10		1		1		1	
1,2-Dichlorobenzene	3	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
2,4,5-Trichlorophenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*2.5*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
2,4,6-Trichlorophenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*2.5*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
2,4-Dimethylphenol	50	2.5	U	2.6	U	2.7	U	10.00	U	*2.5*	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
2,6-Dinitrotoluene	5	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
2-Chlorophenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*2.5*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
2-Methylnaphthalene	~	2.5	U	2.6	U	2.7	U	116		17.6		2.50	U	NT		62	D	48.6	JD	2.6	U	39		2.5	U
2-Methylphenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.0*	U	*3*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
2-Nitrophenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*2.5*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
3- & 4-Methylphenols	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.0*	U	*2.5*	U	*2.50*	U	NT		*26*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
4-Chloro-3-methylphenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*2.5*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
4-Chloroaniline	5	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
4-Nitrophenol	1	*5*	U	*5*	U	*5*	U	*20.00*	U	*5*	U	*5.00*	U	NT		*53*	U	*54*	U	*5*	U	*5*	U	*5*	U
Acetophenone	~	2.5	U	2.6	U	2.7	U	10	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Aniline	5	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
Benzaldehyde	~	2.5	U	2.6	U	2.7	U	10.00	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Benzoic acid	~	2.5	U	2.6	U	2.7	U	10	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Benzyl alcohol	~	2.5	U	2.6	U	2.7	U	10	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Bis(2-chloroethoxy)methane	5	2.5	U	2.6	U	2.7	U	*10.00*	U	2.5	U	2.50	U	NT		*26.3*	U	*27.0*	U	2.6	U	2.5	U	2.5	U
Bis(2-chloroethyl)ether	1	*1*	U	*1*	U	*1*	U	*4.00*	U	*1*	U	*1.00*	U	NT		*11*	U	*11*	U	*1*	U	*1*	U	1	U
Caprolactam	~	2.5	U	2.6	U	2.7	U	10.00	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Diethyl phthalate	50	2.5	U	2.6	U	2.7	U	10.00	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Di-n-octyl phthalate	50	2.5	U	2.6	U	2.7	U	10	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.9	J	2.5	U	2.5	U
Hexachlorocyclopentadiene	5	*5*	U	*5*	U	*5*	U	*20*	U	*5*	U	*5.00*	U	NT		*53*	U	*54*	U	*5*	U	*5*	U	*5*	U
N-nitroso-di-n-propylamine	~	2.5	U	2.6	U	2.7	U	10.00	U	2.5	U	2.50	U	NT		26.3	U	27.0	U	2.6	U	2.5	U	2.5	U
Phenol	1	*2.5*	U	*2.6*	U	*2.7*	U	*10.00*	U	*3*	U	*2.50*	U	NT		*26.3*	U	*27.0*	U	*2.6*	U	*2.5*	U	*2.5*	U
SVOCs, SIM Master (µg/L)																									
Dilution Factor		1		1		1		10		50		1				100		100		20		100		1	
Acenaphthene	20	0.05	U	0.05		0.20		2.0000	U	0.5	U	0.17		NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Acenaphthylene	~	0.05	U	0.05	U	0.05	U	2.000	U	0.5	U	0.05	U	NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Anthracene	50	0.05	U	0.05	U	0.05	U	2.000	U	0.5	U	0.05	U	NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Benzo(a)anthracene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.000*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Benzo(a)pyrene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.00*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Benzo(b)fluoranthene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.000*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Benzo(g,h,i)perylene	~	0.05	U	0.05	U	0.05	U	2.0000	U	0.5	U	0.05	U	NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Benzo(k)fluoranthene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.000*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Bis(2-ethylhexyl)phthalate	5	1.49		0.72		0.87		*20.00*	U	5	U	0.85		NT		*52.6*	U	*54.10*	U	*10.5*	U	*10*	U	1.4	B
Chrysene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.000*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Fluoranthene	50	0.05	U	0.05	U	0.05	U	2.000	U	0.5	U	0.05	U	NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Fluorene	50	0.22		0.05	U	0.05		2.000	U	0.5	U	0.06		NT		5.26	U	5.41	U	1.05	U	1	U	0.05	U
Hexachlorobenzene	0.04	0.02	U	0.02	U	0.02	U	*0.800*	U	*0.2*	U	0.02	U	NT		*2.11*	U	*2.16*	U	*0.42*	U	*0*	U	0.02	U
Hexachlorobutadiene	0.5	0.5	U	*0.5*	U	*0.5*	U	*20.000*	U	*5*	U	0.50	U	NT		*52.6*	U	*54.1*	U	*10.5*	U	*10*	U	0.5	U
Hexachloroethane	5	0.5	U	0.5	U	0.5	U	*20.000*	U	5	U	0.50	U	NT		*52.6*	U	*54.1*	U	*10.5*	U	*10*	U	0.5	U
Indeno(1,2,3-cd)pyrene	0.002	*0.05*	U	*0.05*	U	*0.05*	U	*2.0000*	U	*0.5*	U	*0.05*	U	NT		*5.26*	U	*5.41*	U	*1.05*	U	*1*	U	*0.05*	U
Naphthalene	10	0.05	U	3.04		0.05	U	**197**	D	**117**	D	**3.40**		NT		**189**	D	**135.00**	D	**14.9**	D	**181**	D	0.05	U
Nitrobenzene	0.4	0.25	U	0.26	U	0.27	U	*10.000*	U	*2.5*	U	0.25	U	NT		*26.30*	U	*27.00*	U	*5.26*	U	*5*	U	0.25	U
Pentachlorophenol	1	0.25	U	0.26	U	0.27	U	*10.000*	U	*2.5*	U	0.25	U	NT		*26.30*	U	*27.00*	U	*5.26*	U	*5*	U	0.25	U
Phenanthrene	50	0.05	U	0.05	U	0.05	U	2.00	U	0.5	U	0.05	U	NT		5.26	U	5.4	U	1.05	U	1	U	0.05	U
Pyrene	50	0.05	U	0.05	U	0.05	U	2.000	U	0.5	U	0.05	U	NT		5.26	U	5.41	U	1.05	U	1	U	0.05	

NOTES:
Q = Qualifier column
~ = This indicates that no regulaory limit has been established for this analyte
B = Analyte found in the analysis batch blank
D = Result is from an analysis that required a dilution
J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
NT = This indicates the analyte was not a target for this sample
U = Analyte not detected at or above the level indicated
NYSDEC TOGS = New York State Department of Environmental Conservation Technical and Operational Guidance Series
µg/L = Microgram per liter

Indicates a detection above reporting limits
Indicates an exceedance of NYSDEC TOGS Standards and Guidance Values - GA

Attachment 3
5th Round of Post-Injection Sampling Analytical Results Summary
714 East 214th Street, Bronx, NY
Langan Project No.: 140115301

Sample Location	NYSDEC TOGS Standards and Guidance Values - GA	MW-7B		MW-08		MW-29		MW-40		MW-40D		MW-41				MW-41D				MW-42		MW-42D		Field Blank	
Sample ID		MW-7B_2022.07.26		MW-08_2022.07.27		MW-29_2022.07.26		MW-40_2022.07.26		MW-40D_2022.07.26		MW-41_2022.07.27		DUP-Metals_2022.07.27		MW-41D_2022.07.27		DUP_2022.07.27		MW-42_2022.07.26		MW-42D_2022.07.26		Filed Blank_2022.07.27	
Sampling Date		7/26/2022		7/27/2022		7/26/2022		7/26/2022		7/26/2022		7/27/2022		7/27/2022		7/27/2022		7/27/2022		7/26/2022		7/26/2022		7/27/2022	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals (µg/L)																									
Dilution Factor						1		100		10		10		10						10		1		1	
Aluminum	~	NT		NT		115.0		2210		830		4,010	B	3,920	B	NT		NT		1,780		712		81.0	B
Barium	1,000	NT		NT		195		179		42		207		200		NT		NT		134.0		60		27.8	U
Calcium	~	NT		NT		112,000		790000		245,000		85,800		88,700		NT		NT		287,000		214,000		56	U
Chromium	50	NT		NT		5.56	U	46.2		21.5		35.6		32.9		NT		NT		16.00		**13**		5.56	U
Cobalt	~	NT		NT		4.44	U	11.9		4.44	U	8.47		8.54		NT		NT		4.44	U	4.7		4.44	U
Copper	200	NT		NT		22.2	U	179		22.2	U	**84**		**77**		NT		NT		64		81.7		22.2	U
Iron	~	NT		NT		3,210		12500		9,340		3,370		2,960		NT		NT		10,400		6,230		278	U
Lead	25	NT		NT		6	U	**153**		5.56	U	**37.4**	B	**36.4**	B	NT		NT		**59**		**38.3**		5.56	U
Magnesium	35,000	NT		NT		17,700		**65400**		**49,500**		**49,500**		**45,400**		NT		NT		**50,300**		**55,100**		55.6	U
Manganese	300	NT		NT		**498**		**33000**		**17,800**		108.0		103.0		NT		NT		**14,300**		**10,400**		5.56	U
Nickel	100	NT		NT		11.1	U	**123**		11.1	U	36.3		33.7		NT		NT		11.1	U	11	U	11.1	U
Potassium	~	NT		NT		8,680		101000		5,890		303,000	BD	283,000	BD	NT		NT		15,300		9,500		533.0	B
Silver	50	NT		NT		5.56	U	5.56	U	5.56	U	5.56	U	5.56	U	NT		NT		5.56	U	5.6	U	5.56	U
Sodium	20,000	NT		NT		8,800		**11300000**	D	**961,000**	D	**6,780,000**	BD	**6,100,000**	BD	**NT**		**NT**		**1,020,000**	D	**NT**		556	U
Vanadium	~	NT		NT		11.1	U	43.4		11.1	U	109		102		NT		NT		14.3		48		11.1	U
Zinc	2,000	NT		NT		78.2		49.7		59.3		47.1		70.1		NT		NT		94.4		35		27.8	U
ICP Dissolved Metals (µg/L)																									
Dilution Factor		10		1		1		100		10		10				10		10		10		10		1	
Aluminum	~	575		529		56	U	555		56	U	1,280		NT		120		65		145		144		55.6	U
Barium	1,000	**121**		**141**		179		152		33		177		NT		27.8	U	45		105.0		51		27.8	U
Calcium	~	201,000	B	128,000	B	101,000	B	761,000	B	216,000	B	90,600	B	NT		15,600	B	58,300	B	269,000	B	195,000	B	765	B
Chromium	50	**78.3**		**5.6**	U	5.56	U	**33**		12.30		22.3		NT		6	U	5.56	U	10.1		**10**		5.56	U
Cobalt	~	4.4	U	4.4	U	4.44	U	9.82		4.44	U	7.2		NT		9.84		9.67		4.44	U	4.4	U	4.44	U
Copper	200	23		22	U	22.2	U	**91**		22.2	U	**22**	U	**NT**		60		49.8		33		23		22.2	U
Iron	~	659		1,760		1,940		9,040		6,720		680		NT		278	U	278	U	5,490		5,170		278	U
Lead	25	**5.6**	U	**5.6**	U	5.56	U	**95**		5.56	U	**5.6**	U	**NT**		5.6	U	5.56	U	**21**		**24.1**		5.56	U
Magnesium	35,000	**65,800**		**26,300**		16,400		**62,200**		**46,700**		**49,600**		NT		23,200		25,400		**47,600**		**52,800**		55.6	U
Manganese	300	**144**		**2,250**		**461**		**30,300**		**16,600**		58.9		NT		5.6	U	**6**	U	**13,200**		**9,720**		5.56	U
Nickel	100	**11**	U	**11**	U	11.1	U	**109.0**		11.1	U	38.2		NT		42.1		45.0		11.1	U	11	U	11.1	U
Potassium	~	3,800	B	3,030		14,600	B	88,300	B	6,040	B	380,000	D	NT		164,000		159,000		13,500	B	9,340	B	56	U
Silver	50	5.56	U	5.56	U	5.56	U	5.560	U	5.56	U	5.56	U	NT		5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Sodium	20,000	**1,230,000**	D	**44,100**		7,650		**10,500,000**	D	**991,000**	D	**6,530,000**	D	**NT**		**1,660,000**	D	**1,760,000**	D	**1,140,000**	D	**1,810,000**	D	556	U
Vanadium	~	11.1	U	11.1	U	11.1	U	35		11.1	U	100		NT		357		349.0		11.1	U	43		11.1	U
Zinc	2,000	32.4		43		92.7		42.4		39.8		39.5		NT		40.9		35.4		83.1		38		49.6	
ICPMS Metals (µg/L)																									
Dilution Factor						1		1		1		1		1						1		1		1	
Antimony	3	NT		NT		2		1.7		1.11	U	**5.470**		**6.310**		NT		NT		2.17		1.11	U	1	U
Arsenic	25	NT		NT		1.52		**42.7**		**15.7**		**31**		**30**		NT		NT		12.9		**31.0**		1	U
Beryllium	3	NT		NT		0.3	U	0.333	U	0.333	U	0.333	U	0.333	U	NT		NT		0.333	U	0.3	U	0.3	U
Cadmium	5	NT		NT		0.6	U	0.556	U	0.556	U	0.556	U	0.556	U	NT		NT		0.556	U	0.6	U	0.6	U
Selenium	10	NT		NT		2.88		**132**	U	**13.10**		**55.6**		**44.8**		NT		NT		**13.80**		**11.3**		1	U
Thallium	~	NT		NT		1	U	1.11	U	1.11	U	1.11	U	1.11	U	NT		NT		1.11	U	1	U	1	U
ICPMS Dissolved Metals (µg/L)																									
Dilution Factor		1		1		1		1		1		1				1		1		1		1		1	
Antimony	3	1.11	U	1.11	U	2		2.05		1.11	U	**4.43**		NT		2.07		2		2.3		1	U	1	U
Arsenic	25	3		5		1.14		**38.7**		**12.6**		**26**		NT		**123**		**123.00**		9.3		**28**		1	U
Selenium	10	**25.5**	B	3.6	B	3.63	B	**99.9**	B	**13.20**	B	**37.0**	B	NT		**18.2**	B	**21**	B	**11.50**	B	**16**	B	5	B
Mercury (µg/L)	0.7	NT		NT		0.2	U	0.2		0.2	U	0.2	U	0.2	U	NT		NT		0.2	U	0.3		0.2	U
Dissolved Mercury (µg/L)	0.7	0.2	U	0.2	U	0.2	U	0.3		0.2	U	0.2	U	NT		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Alkalinity, total (µg/L)	~	600,000		460,000		340,000		2,700,000		660,000		2,400,000		NT		1,400,000		350,000		1,300,000		1,000,000		2,000	U
Sulfate (µg/L)	~	2,760,000	D	79,100	D	35,300		33,200,000	D	1,790,000	D	13,300,000	D	NT		2,330,000	D	37,600		2,210,000	D	4,150,000	D	1,000	U

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