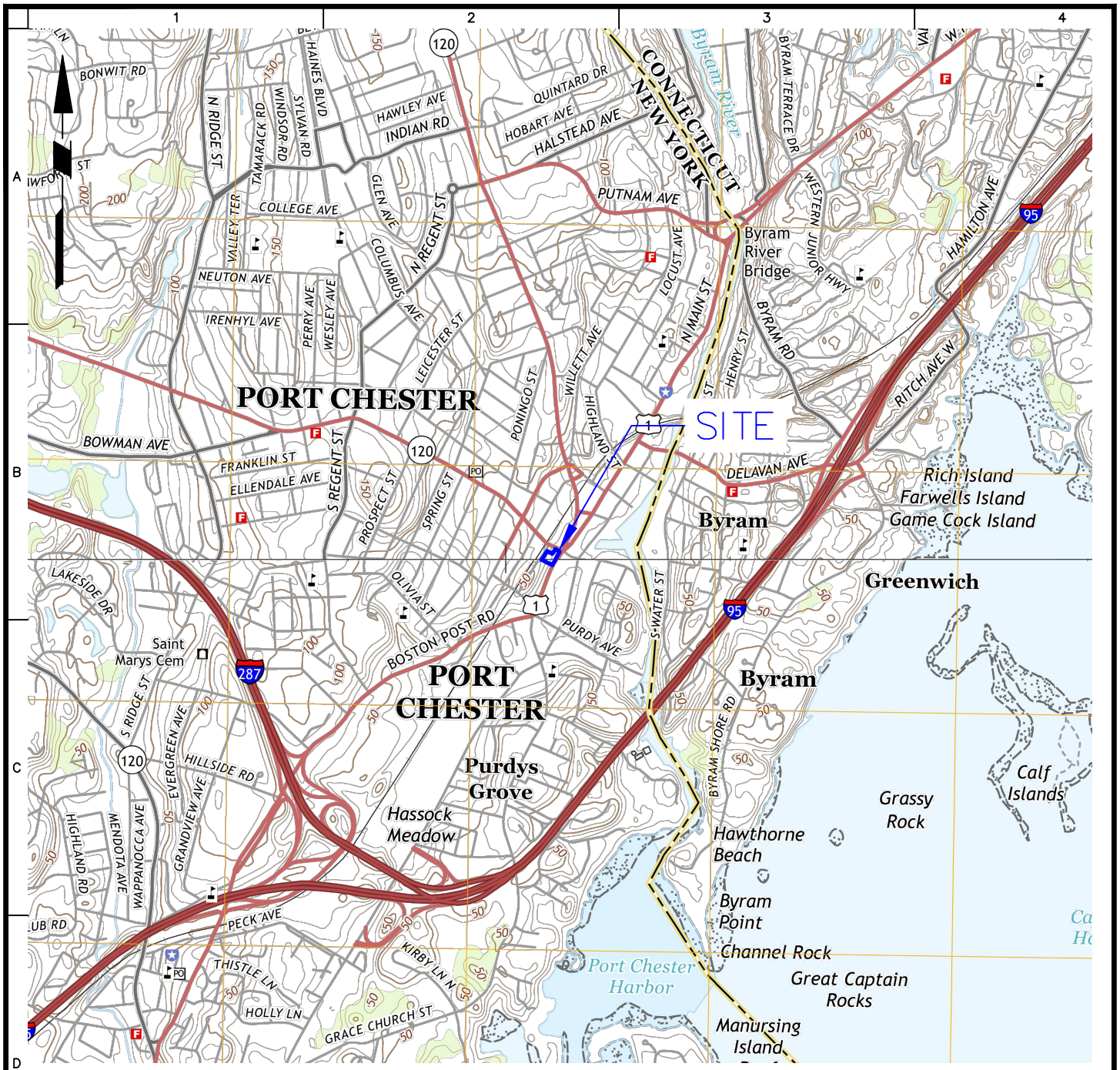


LEGEND

APPROXIMATE SITE BOUNDARY

NOTES

1. BASE MAP IS REFERENCED FROM THE UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES QUADRANGLE MAP OF MAMARONECK, NEW YORK AND GLENVILLE, CONNECTICUT , DATED 2016.

**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, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

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SCALE: 1 INCH = 2000 FEET

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|---|---|---|---|---|
| **LANGAN**<br>Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.<br>360 West 31st Street, 8th Floor<br>New York, NY 10001<br>T: 212.479.5400 F: 212.479.5444 www.langan.com | Project<br>**SOUTH MAIN PETROLEUM SITE ASSEMBLAGE**<br>SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, AND 69<br>PORT CHESTER<br>WESTCHESTER NEW YORK | Figure Title<br>**SITE LOCATION MAP** | Project No. 170653201<br>Date 8/7/2024<br>Drawn By LPG<br>Checked By JA | Figure No.<br>**1**<br>Sheet 1 of 13 |

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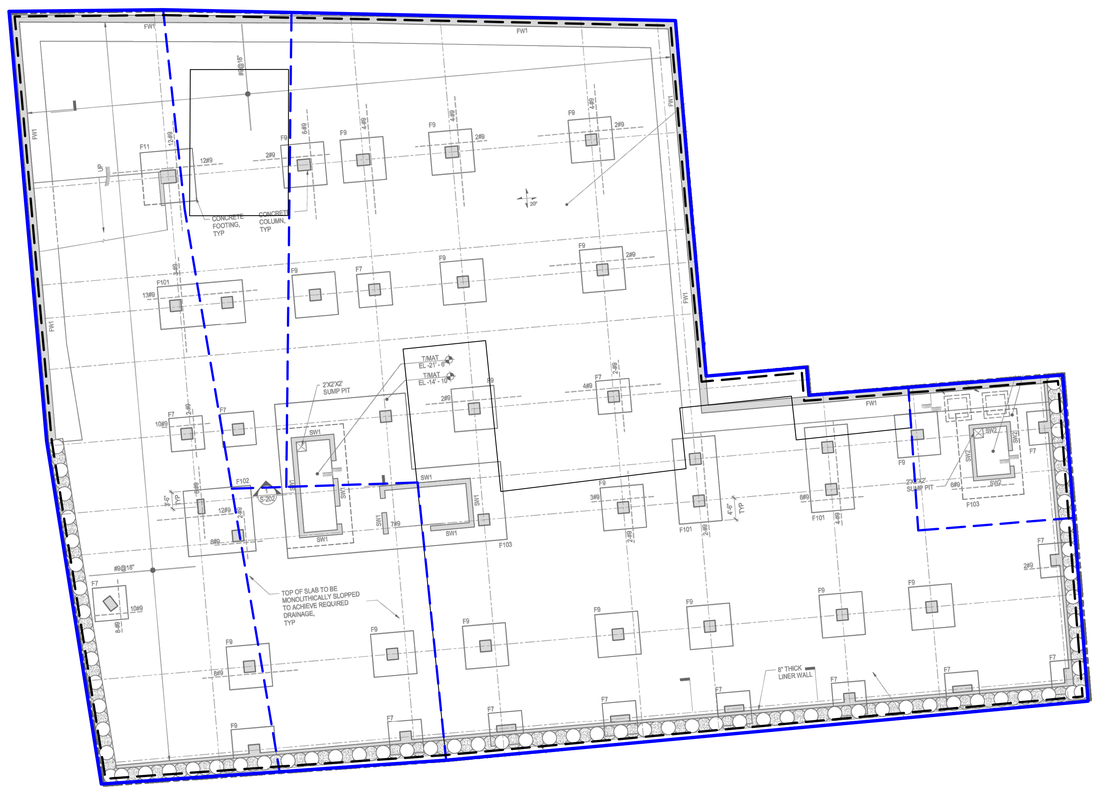
Filename: \\langan.com\data\NYC\data2\170653201\Project Data\CAD\01\SheetFiles\Environmental\2024 RAWP\Figure 1 - Site Location Map.dwg Date: 8/7/2024 Time: 14:38 User: lgrose Style Table: Langan.stb Layout: ANSIA-BP

LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- APPROXIMATE EXISTING BUILDING EXTENTS
- APPROXIMATE PROPOSED AT-GRADE BUILDING BOUNDARY




NOTES

1. FOUNDATION PLAN REFERENCED FROM 17 MAY 2024 ISSUE FOR BID STRUCTURAL DRAWINGS PREPARED BY CETRARUDDY ARCHITECTURE.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (GEOID 12B) AS DETERMINED BY GLOBAL NAVIGATION SATELLITE SYSTEMS.
3. TAX PARCEL 142.3-2-69 IS COMPRISED OF FORMER TAX LOTS 142.3-2-57 & 68, ALSO KNOWN AS 2, 4, 6, 8, & 10 SOUTH MAIN STREET AND 7 EAST BROADWAY.

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project
SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title
SITE PLAN

Project No. 170653201
Date 8/6/2024
Drawn By LPG
Checked By JA

Figure No. 2

Sheet 2 of 9

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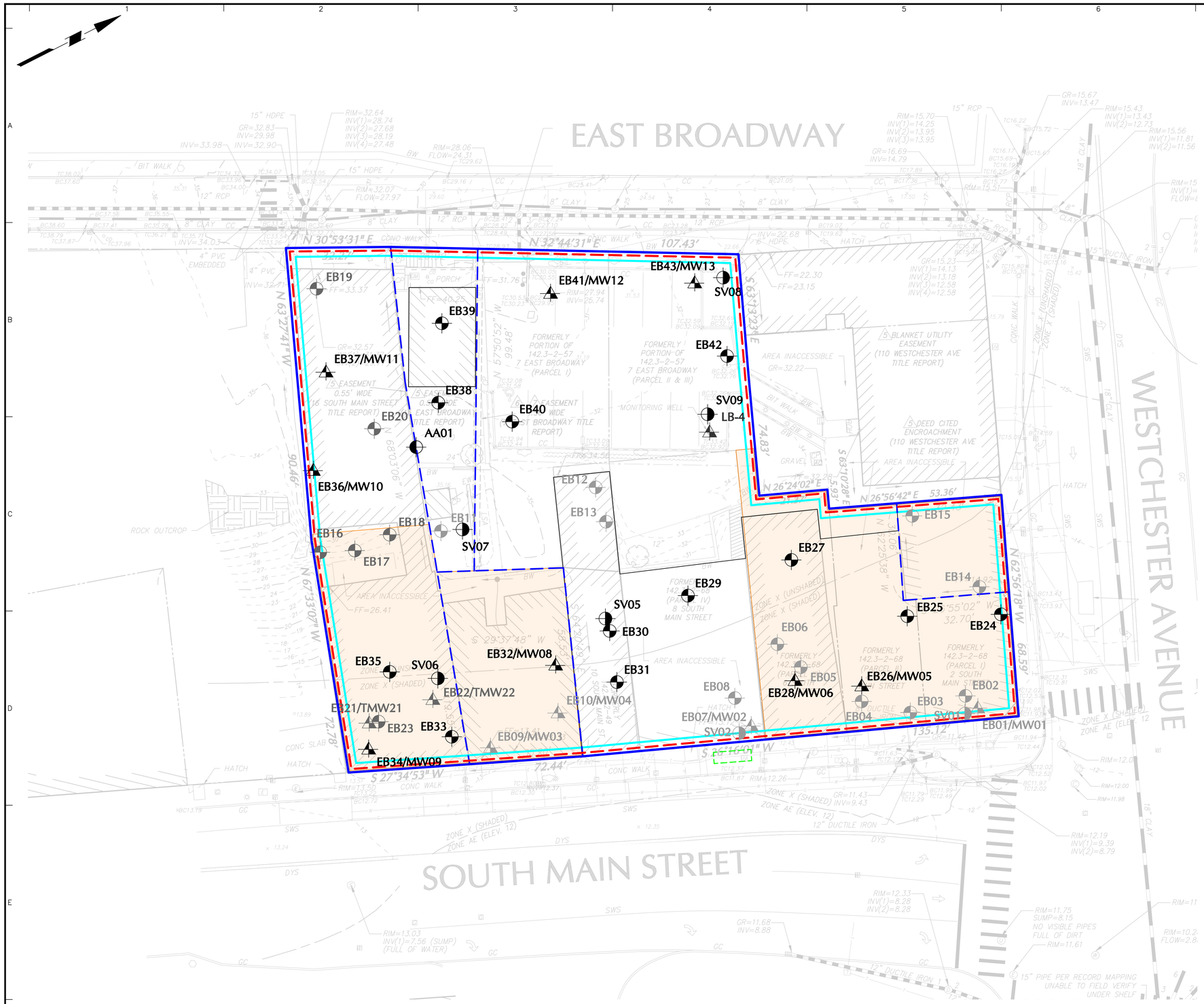
Filename: \\langan.com\data\NY\Cvdata2\170653201\Project Data\CAD\01\SheetFiles\Environmental\2024 RAWP\RAWP Figures_v1.dwg Date: 8/6/2024 Time: 15:53 User: lgrose Style Table: Langan.stb Layout: Figure 2

LANGAN PROJECT NO. 170653201




LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- APPROXIMATE EXISTING BUILDING EXTENTS
- UST-LIKE ANOMALY
- APPROXIMATE AOC 1 BOUNDARY
- APPROXIMATE AOC 2 BOUNDARY
- APPROXIMATE AOC 3 BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- SV01 — 2021 PHASE II ESI SOIL VAPOR SAMPLE LOCATION (LANGAN)
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- LB-4 — 2021 GEOTECHNICAL MONITORING WELL LOCATION (LANGAN)
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- SV09 — APPROXIMATE RI SOIL VAPOR/SUB-SLAB/AMBIENT AIR LOCATION

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. AOC - AREA OF CONCERN
3. RI - REMEDIAL INVESTIGATION
4. UST - UNDERGROUND STORAGE TANK
5. SVOC - SEMIVOLATILE ORGANIC COMPOUND
6. PFAS - PER- AND POLYFLUOROALKLY SUBSTANCES
7. AOC 1 - PETROLEUM AND/OR CHEMICAL IMPACTS
8. AOC 2 - SVOC-, PESTICIDE-, AND METALS-IMPACTED SOIL/FILL
9. AOC 3 - PFAS IMPACTS TO GROUNDWATER
10. RI MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM (GPS) UNIT.

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

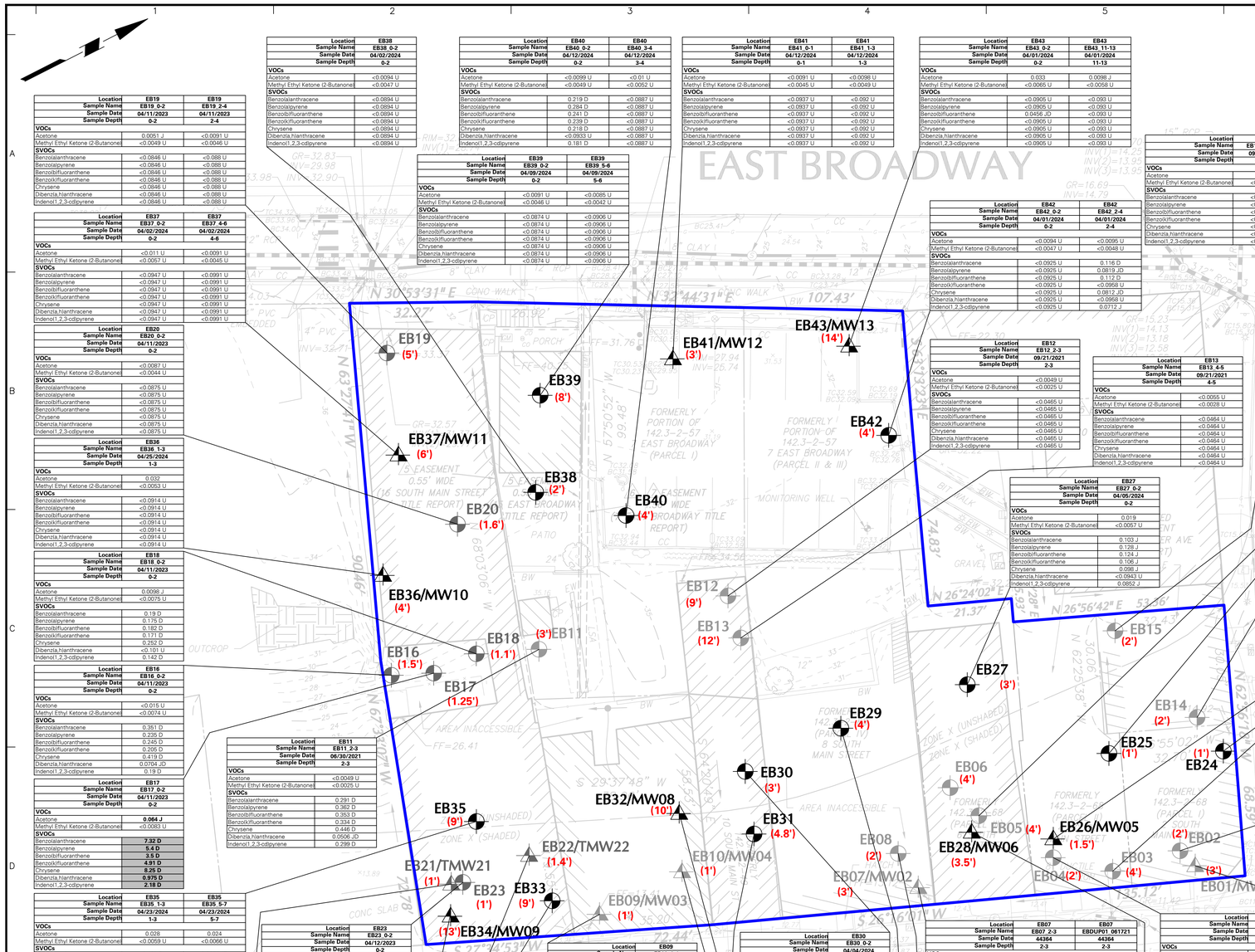

Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: AREAS OF CONCERN AND SAMPLE LOCATION MAP

| | |
|---|---|
| Project No. | 170653201 |
| Date | 8/6/2024 |
| Drawn By | LPG |
| Checked By | JA |
| Figure No. | 3 |
| Sheet | 3 of 9 |

LANGAN
PROJECT NO. 170653201

Filename: \\langan.com\data\NYC\data2\170653201\Project Data\CAD\01\SheetFiles\Environmental\2024 RAWP\RAWP Figures_v1.dwg Date: 8/6/2024 Time: 16:00 User: lgrose Style Table: Langan.stb Layout: Figure 3




| Location | EB19 | EB19 |
|---|---|---|
| Sample Name | EB19_0-2 | EB19_2-4 |
| Sample Date | 04/11/2023 | 04/11/2023 |
| Sample Depth | 0-2 | 2-4 |
| **VOCs** | | |
| Acetone | 0.0051 J | <0.0091 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0049 U | <0.0046 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0846 U | <0.088 U |
| Benzo(a)pyrene | <0.0846 U | <0.088 U |
| Benzo(b)fluoranthene | <0.0846 U | <0.088 U |
| Benzo(k)fluoranthene | <0.0846 U | <0.088 U |
| Chrysene | <0.0846 U | <0.088 U |
| Dibenz(a,h)anthracene | <0.0846 U | <0.088 U |
| Indeno(1,2,3-cd)pyrene | <0.0846 U | <0.088 U |

| Location | EB37 | EB37 |
|---|---|---|
| Sample Name | EB37_0-2 | EB37_4-6 |
| Sample Date | 04/02/2024 | 04/02/2024 |
| Sample Depth | 0-2 | 4-6 |
| **VOCs** | | |
| Acetone | <0.011 U | <0.0091 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0057 U | <0.0045 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0947 U | <0.0991 U |
| Benzo(a)pyrene | <0.0947 U | <0.0991 U |
| Benzo(b)fluoranthene | <0.0947 U | <0.0991 U |
| Benzo(k)fluoranthene | <0.0947 U | <0.0991 U |
| Chrysene | <0.0947 U | <0.0991 U |
| Dibenz(a,h)anthracene | <0.0947 U | <0.0991 U |
| Indeno(1,2,3-cd)pyrene | <0.0947 U | <0.0991 U |

| Location | EB20 |
|---|---|
| Sample Name | EB20_0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.0087 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0044 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0875 U |
| Benzo(a)pyrene | <0.0875 U |
| Benzo(b)fluoranthene | <0.0875 U |
| Benzo(k)fluoranthene | <0.0875 U |
| Chrysene | <0.0875 U |
| Dibenz(a,h)anthracene | <0.0875 U |
| Indeno(1,2,3-cd)pyrene | <0.0875 U |

| Location | EB36 |
|---|---|
| Sample Name | EB36_1-3 |
| Sample Date | 04/25/2024 |
| Sample Depth | 1-3 |
| **VOCs** | |
| Acetone | 0.032 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0053 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0914 U |
| Benzo(a)pyrene | <0.0914 U |
| Benzo(b)fluoranthene | <0.0914 U |
| Benzo(k)fluoranthene | <0.0914 U |
| Chrysene | <0.0914 U |
| Dibenz(a,h)anthracene | <0.0914 U |
| Indeno(1,2,3-cd)pyrene | <0.0914 U |

| Location | EB18 |
|---|---|
| Sample Name | EB18_0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | 0.0098 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.0075 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.19 D |
| Benzo(a)pyrene | 0.175 D |
| Benzo(b)fluoranthene | 0.182 D |
| Benzo(k)fluoranthene | 0.171 D |
| Chrysene | 0.252 D |
| Dibenz(a,h)anthracene | <0.101 U |
| Indeno(1,2,3-cd)pyrene | 0.142 D |

| Location | EB16 |
|---|---|
| Sample Name | EB16_0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.015 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0074 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.261 D |
| Benzo(a)pyrene | 0.235 D |
| Benzo(b)fluoranthene | 0.245 D |
| Benzo(k)fluoranthene | 0.205 D |
| Chrysene | 0.419 D |
| Dibenz(a,h)anthracene | 0.0704 JD |
| Indeno(1,2,3-cd)pyrene | 0.19 D |

| Location | EB17 |
|---|---|
| Sample Name | EB17_0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | **0.064 J** |
| Methyl Ethyl Ketone (2-Butanone) | <0.0083 U |
| **SVOCs** | |
| Benzo(a)anthracene | **7.32 D** |
| Benzo(a)pyrene | **5.4 D** |
| Benzo(b)fluoranthene | **3.5 D** |
| Benzo(k)fluoranthene | **4.91 D** |
| Chrysene | **8.25 D** |
| Dibenz(a,h)anthracene | **0.975 D** |
| Indeno(1,2,3-cd)pyrene | **2.18 D** |

| Location | EB35 | EB35 |
|---|---|---|
| Sample Name | EB35_1-3 | EB35_5-7 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 1-3 | 5-7 |
| **VOCs** | | |
| Acetone | 0.028 | 0.024 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0059 U | <0.0066 U |
| **SVOCs** | | |
| Benzo(a)anthracene | 0.121 D | 0.0564 JD |
| Benzo(a)pyrene | 0.111 D | 0.0529 JD |
| Benzo(b)fluoranthene | 0.1 D | 0.0488 JD |
| Benzo(k)fluoranthene | 0.102 D | <0.0894 U |
| Chrysene | 0.134 D | 0.0643 JD |
| Dibenz(a,h)anthracene | <0.0895 U | <0.0894 U |
| Indeno(1,2,3-cd)pyrene | 0.0837 JD | <0.0894 U |

| Location | EB21 |
|---|---|
| Sample Name | EB21_0-1 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | 0.017 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.0043 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0916 U |
| Benzo(a)pyrene | <0.0916 U |
| Benzo(b)fluoranthene | <0.0916 U |
| Benzo(k)fluoranthene | <0.0916 U |
| Chrysene | <0.0916 U |
| Dibenz(a,h)anthracene | <0.0916 U |
| Indeno(1,2,3-cd)pyrene | <0.0916 U |

| Location | EB38 |
|---|---|
| Sample Name | EB38_0-2 |
| Sample Date | 04/02/2024 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.0094 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0047 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0894 U |
| Benzo(a)pyrene | <0.0894 U |
| Benzo(b)fluoranthene | <0.0894 U |
| Benzo(k)fluoranthene | <0.0894 U |
| Chrysene | <0.0894 U |
| Dibenz(a,h)anthracene | <0.0894 U |
| Indeno(1,2,3-cd)pyrene | <0.0894 U |

| Location | EB40 | EB40 |
|---|---|---|
| Sample Name | EB40_0-2 | EB40_3-4 |
| Sample Date | 04/12/2024 | 04/12/2024 |
| Sample Depth | 0-2 | 3-4 |
| **VOCs** | | |
| Acetone | <0.0099 U | <0.01 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0049 U | <0.0052 U |
| **SVOCs** | | |
| Benzo(a)anthracene | 0.219 D | <0.0887 U |
| Benzo(a)pyrene | 0.284 D | <0.0887 U |
| Benzo(b)fluoranthene | 0.241 D | <0.0887 U |
| Benzo(k)fluoranthene | 0.239 D | <0.0887 U |
| Chrysene | 0.218 D | <0.0887 U |
| Dibenz(a,h)anthracene | <0.0933 U | <0.0887 U |
| Indeno(1,2,3-cd)pyrene | 0.181 D | <0.0887 U |

| Location | EB39 | EB39 |
|---|---|---|
| Sample Name | EB39_0-2 | EB39_5-6 |
| Sample Date | 04/09/2024 | 04/09/2024 |
| Sample Depth | 0-2 | 5-6 |
| **VOCs** | | |
| Acetone | <0.0091 U | <0.0085 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0046 U | <0.0042 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0874 U | <0.0906 U |
| Benzo(a)pyrene | <0.0874 U | <0.0906 U |
| Benzo(b)fluoranthene | <0.0874 U | <0.0906 U |
| Benzo(k)fluoranthene | <0.0874 U | <0.0906 U |
| Chrysene | <0.0874 U | <0.0906 U |
| Dibenz(a,h)anthracene | <0.0874 U | <0.0906 U |
| Indeno(1,2,3-cd)pyrene | <0.0874 U | <0.0906 U |

| Location | EB41 | EB41 |
|---|---|---|
| Sample Name | EB41_0-1 | EB41_1-3 |
| Sample Date | 04/12/2024 | 04/12/2024 |
| Sample Depth | 0-1 | 1-3 |
| **VOCs** | | |
| Acetone | <0.0091 U | <0.0098 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0045 U | <0.0049 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0937 U | <0.092 U |
| Benzo(a)pyrene | <0.0937 U | <0.092 U |
| Benzo(b)fluoranthene | <0.0937 U | <0.092 U |
| Benzo(k)fluoranthene | <0.0937 U | <0.092 U |
| Chrysene | <0.0937 U | <0.092 U |
| Dibenz(a,h)anthracene | <0.0905 U | <0.092 U |
| Indeno(1,2,3-cd)pyrene | <0.0937 U | <0.092 U |

| Location | EB43 | EB43 |
|---|---|---|
| Sample Name | EB43_0-2 | EB43_11-13 |
| Sample Date | 04/01/2024 | 04/01/2024 |
| Sample Depth | 0-2 | 11-13 |
| **VOCs** | | |
| Acetone | 0.033 | 0.0098 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.0065 U | <0.0058 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0905 U | <0.093 U |
| Benzo(a)pyrene | <0.0905 U | <0.093 U |
| Benzo(b)fluoranthene | 0.0456 JD | <0.093 U |
| Benzo(k)fluoranthene | <0.0905 U | <0.093 U |
| Chrysene | <0.0905 U | <0.093 U |
| Dibenz(a,h)anthracene | <0.0905 U | <0.093 U |
| Indeno(1,2,3-cd)pyrene | <0.0905 U | <0.093 U |

| Location | EB15 |
|---|---|
| Sample Name | EB15_0.5-1.5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 0.5-1.5 |
| **VOCs** | |
| Acetone | 0.038 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0031 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0545 U |
| Benzo(a)pyrene | <0.0545 U |
| Benzo(b)fluoranthene | <0.0545 U |
| Benzo(k)fluoranthene | <0.0545 U |
| Chrysene | <0.0545 U |
| Dibenz(a,h)anthracene | <0.0545 U |
| Indeno(1,2,3-cd)pyrene | <0.0545 U |

| Location | EB42 | EB42 |
|---|---|---|
| Sample Name | EB42_0-2 | EB42_2-4 |
| Sample Date | 04/01/2024 | 04/01/2024 |
| Sample Depth | 0-2 | 2-4 |
| **VOCs** | | |
| Acetone | <0.0094 U | <0.0095 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0047 U | <0.0048 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.0925 U | 0.116 D |
| Benzo(a)pyrene | <0.0925 U | 0.0819 JD |
| Benzo(b)fluoranthene | <0.0925 U | 0.112 D |
| Benzo(k)fluoranthene | <0.0925 U | <0.0958 U |
| Chrysene | <0.0925 U | 0.0812 JD |
| Dibenz(a,h)anthracene | <0.0925 U | <0.0958 U |
| Indeno(1,2,3-cd)pyrene | <0.0925 U | 0.0712 J |

| Location | EB12 |
|---|---|
| Sample Name | EB12_2-3 |
| Sample Date | 09/21/2021 |
| Sample Depth | 2-3 |
| **VOCs** | |
| Acetone | <0.0049 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0025 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0465 U |
| Benzo(a)pyrene | <0.0465 U |
| Benzo(b)fluoranthene | <0.0465 U |
| Benzo(k)fluoranthene | <0.0465 U |
| Chrysene | <0.0465 U |
| Dibenz(a,h)anthracene | <0.0465 U |
| Indeno(1,2,3-cd)pyrene | <0.0465 U |

| Location | EB13 |
|---|---|
| Sample Name | EB13_4-5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 4-5 |
| **VOCs** | |
| Acetone | <0.0055 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0028 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0464 U |
| Benzo(a)pyrene | <0.0464 U |
| Benzo(b)fluoranthene | <0.0464 U |
| Benzo(k)fluoranthene | <0.0464 U |
| Chrysene | <0.0464 U |
| Dibenz(a,h)anthracene | <0.0464 U |
| Indeno(1,2,3-cd)pyrene | <0.0464 U |

| Location | EB27 |
|---|---|
| Sample Name | EB27_0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | 0.019 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0057 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.103 J |
| Benzo(a)pyrene | 0.128 J |
| Benzo(b)fluoranthene | 0.124 J |
| Benzo(k)fluoranthene | 0.106 J |
| Chrysene | 0.098 J |
| Dibenz(a,h)anthracene | <0.0943 U |
| Indeno(1,2,3-cd)pyrene | 0.0852 J |

| Location | EB05 |
|---|---|
| Sample Name | EB05_0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | 0.0058 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.0025 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0452 U |
| Benzo(a)pyrene | <0.0452 U |
| Benzo(b)fluoranthene | <0.0452 U |
| Benzo(k)fluoranthene | <0.0452 U |
| Chrysene | <0.0452 U |
| Dibenz(a,h)anthracene | <0.0452 U |
| Indeno(1,2,3-cd)pyrene | <0.0452 U |

| Location | EB25 |
|---|---|
| Sample Name | EB25_0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | <0.0063 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0031 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.079 J |
| Benzo(a)pyrene | 0.0662 J |
| Benzo(b)fluoranthene | 0.0782 J |
| Benzo(k)fluoranthene | <0.0998 U |
| Chrysene | 0.0615 J |
| Dibenz(a,h)anthracene | <0.0998 U |
| Indeno(1,2,3-cd)pyrene | <0.0998 UJ |

| Location | EB14 |
|---|---|
| Sample Name | EB14_0.5-1.5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 0.5-1.5 |
| **VOCs** | |
| Acetone | 0.038 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0024 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0465 UJ |
| Benzo(a)pyrene | <0.0465 UJ |
| Benzo(b)fluoranthene | <0.0465 UJ |
| Benzo(k)fluoranthene | <0.0465 UJ |
| Chrysene | 0.0504 J |
| Dibenz(a,h)anthracene | <0.0465 UJ |
| Indeno(1,2,3-cd)pyrene | <0.0465 UJ |

| Location | EB26 |
|---|---|
| Sample Name | EB26_0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.01 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.005 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.194 U |
| Benzo(a)pyrene | <0.194 U |
| Benzo(b)fluoranthene | <0.194 U |
| Benzo(k)fluoranthene | <0.194 U |
| Chrysene | <0.194 U |
| Dibenz(a,h)anthracene | <0.194 U |
| Indeno(1,2,3-cd)pyrene | <0.194 U |

| Location | EB24 |
|---|---|
| Sample Name | EB24_0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | <0.0068 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0034 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.0592 JD |
| Benzo(a)pyrene | 0.0847 JD |
| Benzo(b)fluoranthene | 0.127 D |
| Benzo(k)fluoranthene | <0.1 U |
| Chrysene | 0.0879 JD |
| Dibenz(a,h)anthracene | <0.1 U |
| Indeno(1,2,3-cd)pyrene | 0.0807 JD |

| Location | EB03 |
|---|---|
| Sample Name | EB03_3-4 |
| Sample Date | 06/16/2021 |
| Sample Depth | 3-4 |
| **VOCs** | |
| Acetone | 0.027 |
| Methyl Ethyl Ketone (2-Butanone) | 0.006 |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0452 U |
| Benzo(a)pyrene | <0.0452 U |
| Benzo(b)fluoranthene | <0.0452 U |
| Benzo(k)fluoranthene | <0.0452 U |
| Chrysene | 0.07 JD |
| Dibenz(a,h)anthracene | <0.0452 U |
| Indeno(1,2,3-cd)pyrene | <0.0452 U |

| Location | EB02 |
|---|---|
| Sample Name | EB02_0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | 0.015 |
| Methyl Ethyl Ketone (2-Butanone) | 0.0031 J |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0493 U |
| Benzo(a)pyrene | <0.0493 U |
| Benzo(b)fluoranthene | <0.0493 U |
| Benzo(k)fluoranthene | <0.0493 U |
| Chrysene | <0.0493 U |
| Dibenz(a,h)anthracene | <0.0493 U |
| Indeno(1,2,3-cd)pyrene | <0.0493 U |

| Location | EB01 |
|---|---|
| Sample Name | EB01_2-3 |
| Sample Date | 06/16/2021 |
| Sample Depth | 2-3 |
| **VOCs** | |
| Acetone | <0.4 U |
| Methyl Ethyl Ketone (2-Butanone) | **0.26 JD** |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0453 U |
| Benzo(a)pyrene | <0.0453 U |
| Benzo(b)fluoranthene | <0.0453 U |
| Benzo(k)fluoranthene | <0.0453 U |
| Chrysene | 0.0614 JD |
| Dibenz(a,h)anthracene | <0.0453 U |
| Indeno(1,2,3-cd)pyrene | <0.0453 U |

| Location | EB11 |
|---|---|
| Sample Name | EB11_2-3 |
| Sample Date | 06/30/2021 |
| Sample Depth | 2-3 |
| **VOCs** | |
| Acetone | <0.0049 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0025 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.291 D |
| Benzo(a)pyrene | 0.362 D |
| Benzo(b)fluoranthene | 0.353 D |
| Benzo(k)fluoranthene | 0.334 D |
| Chrysene | 0.446 D |
| Dibenz(a,h)anthracene | 0.0506 JD |
| Indeno(1,2,3-cd)pyrene | 0.299 D |

| Location | EB23 |
|---|---|
| Sample Name | EB23_0-2 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | 0.013 |
| Methyl Ethyl Ketone (2-Butanone) | <0.005 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0971 U |
| Benzo(a)pyrene | <0.0971 U |
| Benzo(b)fluoranthene | <0.0971 U |
| Benzo(k)fluoranthene | <0.0971 U |
| Chrysene | <0.0971 U |
| Dibenz(a,h)anthracene | <0.0971 U |
| Indeno(1,2,3-cd)pyrene | <0.0971 U |

| Location | EB09 |
|---|---|
| Sample Name | EB09_0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | 0.016 |
| Methyl Ethyl Ketone (2-Butanone) | 0.0029 J |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0523 U |
| Benzo(a)pyrene | <0.0523 U |
| Benzo(b)fluoranthene | <0.0523 U |
| Benzo(k)fluoranthene | <0.0523 U |
| Chrysene | <0.0523 U |
| Dibenz(a,h)anthracene | <0.0523 U |
| Indeno(1,2,3-cd)pyrene | <0.0523 U |

| Location | EB30 |
|---|---|
| Sample Name | EB30_0-2 |
| Sample Date | 04/04/2024 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.01 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0051 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.127 D |
| Benzo(a)pyrene | 0.114 D |
| Benzo(b)fluoranthene | 0.108 D |
| Benzo(k)fluoranthene | 0.102 D |
| Chrysene | 0.111 D |
| Dibenz(a,h)anthracene | <0.0891 U |
| Indeno(1,2,3-cd)pyrene | 0.0876 JD |

| Location | EB07 | EB07 |
|---|---|---|
| Sample Name | EB07_2-3 | EBDUP01_061721 |
| Sample Date | 44364 | 44364 |
| Sample Depth | 2-3 | 2-3 |
| **VOCs** | | |
| Acetone | 0.0067 J | <0.0044 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0021 U | <0.0022 U |
| **SVOCs** | | |
| Benzo(a)anthracene | <0.049 U | <0.0489 U |
| Benzo(a)pyrene | <0.049 U | <0.0489 U |
| Benzo(b)fluoranthene | <0.049 U | <0.0489 U |
| Benzo(k)fluoranthene | <0.049 U | <0.0489 U |
| Chrysene | <0.049 U | <0.0489 U |
| Dibenz(a,h)anthracene | <0.049 U | <0.0489 U |
| Indeno(1,2,3-cd)pyrene | <0.049 U | <0.0489 U |

| Location | EB04 |
|---|---|
| Sample Name | EB04_0.5-1.5 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0.5-1.5 |
| **VOCs** | |
| Acetone | 0.012 |
| Methyl Ethyl Ketone (2-Butanone) | 0.0027 J |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0475 U |
| Benzo(a)pyrene | <0.0475 U |
| Benzo(b)fluoranthene | <0.0475 U |
| Benzo(k)fluoranthene | <0.0475 U |
| Chrysene | <0.0475 U |
| Dibenz(a,h)anthracene | <0.0475 U |
| Indeno(1,2,3-cd)pyrene | <0.0475 U |

| Location | EB34 | EB34 |
|---|---|---|
| Sample Name | EB34_4-6 | EB34_7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 4-6 | 7-9 |
| **VOCs** | | |
| Acetone | 0.026 | **0.063** |
| Methyl Ethyl Ketone (2-Butanone) | <0.0055 U | 0.013 |
| **SVOCs** | | |
| Benzo(a)anthracene | 0.709 J | 0.11 D |
| Benzo(a)pyrene | 0.623 J | 0.107 D |
| Benzo(b)fluoranthene | 0.567 J | 0.0958 JD |
| Benzo(k)fluoranthene | 0.556 J | 0.0942 JD |
| Chrysene | 0.685 J | 0.12 D |
| Dibenz(a,h)anthracene | 0.106 D | <0.102 U |
| Indeno(1,2,3-cd)pyrene | 0.479 J | 0.0852 JD |

| Location | EB33 | EB33 |
|---|---|---|
| Sample Name | EB33_3-5 | EB33_7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 3-5 | 7-9 |
| **VOCs** | | |
| Acetone | 0.023 | 0.037 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.0052 U | 0.0055 J |
| **SVOCs** | | |
| Benzo(a)anthracene | 0.0559 JD | <0.096 U |
| Benzo(a)pyrene | <0.0933 U | <0.096 U |
| Benzo(b)fluoranthene | <0.0933 U | <0.096 U |
| Benzo(k)fluoranthene | <0.0933 U | <0.096 U |
| Chrysene | 0.0477 JD | <0.096 U |
| Dibenz(a,h)anthracene | <0.0933 U | <0.096 U |
| Indeno(1,2,3-cd)pyrene | <0.0933 U | <0.096 U |

| Location | EB31 |
|---|---|
| Sample Name | EB31_1-3 |
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **VOCs** | |
| Acetone | 0.032 |
| Methyl Ethyl Ketone (2-Butanone) | <0.0055 U |
| **SVOCs** | |
| Benzo(a)anthracene | **4.59 D** |
| Benzo(a)pyrene | **3.12 D** |
| Benzo(b)fluoranthene | **6.25 D** |
| Benzo(k)fluoranthene | **2.39 D** |
| Chrysene | **3.67 D** |
| Dibenz(a,h)anthracene | **1.12 D** |
| Indeno(1,2,3-cd)pyrene | **4 D** |

| Location | EB08 |
|---|---|
| Sample Name | EB08_0-1 |
| Sample Date | 06/17/2021 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | 0.0049 J |
| Methyl Ethyl Ketone (2-Butanone) | <0.002 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0445 U |
| Benzo(a)pyrene | <0.0445 U |
| Benzo(b)fluoranthene | <0.0445 U |
| Benzo(k)fluoranthene | <0.0445 U |
| Chrysene | <0.0445 U |
| Dibenz(a,h)anthracene | <0.0445 U |
| Indeno(1,2,3-cd)pyrene | <0.0445 U |

| Location | EB28 |
|---|---|
| Sample Name | EB28_1-3 |
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **VOCs** | |
| Acetone | <0.011 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0056 U |
| **SVOCs** | |
| Benzo(a)anthracene | 0.0758 JD |
| Benzo(a)pyrene | 0.0789 JD |
| Benzo(b)fluoranthene | 0.0665 JD |
| Benzo(k)fluoranthene | 0.0758 JD |
| Chrysene | 0.0812 JD |
| Dibenz(a,h)anthracene | <0.0968 U |
| Indeno(1,2,3-cd)pyrene | 0.0627 JD |

| Location | EB22 |
|---|---|
| Sample Name | EB22_0-2 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-2 |
| **VOCs** | |
| Acetone | <0.0086 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0043 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0917 U |
| Benzo(a)pyrene | <0.0917 U |
| Benzo(b)fluoranthene | <0.0917 U |
| Benzo(k)fluoranthene | <0.0917 U |
| Chrysene | <0.0917 U |
| Dibenz(a,h)anthracene | <0.0917 U |
| Indeno(1,2,3-cd)pyrene | <0.0917 U |

| Location | EB10 |
|---|---|
| Sample Name | EB10_0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **VOCs** | |
| Acetone | <0.049 UJ |
| Methyl Ethyl Ketone (2-Butanone) | <0.024 UJ |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0468 U |
| Benzo(a)pyrene | <0.0468 U |
| Benzo(b)fluoranthene | <0.0468 U |
| Benzo(k)fluoranthene | <0.0468 U |
| Chrysene | <0.0468 U |
| Dibenz(a,h)anthracene | <0.0468 U |
| Indeno(1,2,3-cd)pyrene | <0.0468 U |

| Location | EB32 | EB32 |
|---|---|---|
| Sample Name | EB32_6-8 | EB32_8-10 |
| Sample Date | 04/22/2024 | 04/22/2024 |
| Sample Depth | 6-8 | 8-10 |
| **VOCs** | | |
| Acetone | 0.011 J | **0.11** |
| Methyl Ethyl Ketone (2-Butanone) | <0.0073 U | 0.017 |
| **SVOCs** | | |
| Benzo(a)anthracene | **1.39 D** | <0.0912 U |
| Benzo(a)pyrene | **1.29 D** | <0.0912 U |
| Benzo(b)fluoranthene | **1.09 D** | <0.0912 U |
| Benzo(k)fluoranthene | **1.17 D** | <0.0912 U |
| Chrysene | **1.39 D** | <0.0912 U |
| Dibenz(a,h)anthracene | 0.135 D | <0.0912 U |
| Indeno(1,2,3-cd)pyrene | **0.866 D** | <0.0912 U |

| Location | EB29 |
|---|---|
| Sample Name | EB29_2-4 |
| Sample Date | 04/08/2024 |
| Sample Depth | 2-4 |
| **VOCs** | |
| Acetone | <0.0094 U |
| Methyl Ethyl Ketone (2-Butanone) | <0.0047 U |
| **SVOCs** | |
| Benzo(a)anthracene | <0.0897 U |
| Benzo(a)pyrene | <0.0897 U |
| Benzo(b)fluoranthene | <0.0897 U |
| Benzo(k)fluoranthene | <0.0897 U |
| Chrysene | <0.0897 U |
| Dibenz(a,h)anthracene | <0.0897 U |
| Indeno(1,2,3-cd)pyrene | <0.0897 U |

LEGEND

- SITE BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- (3') — APPROXIMATE REFUSAL DEPTH DUE TO PRESUMED BEDROCK ENCOUNTERED DURING THE PHASE II ESI (LANGAN) OR THE RI (LANGAN)

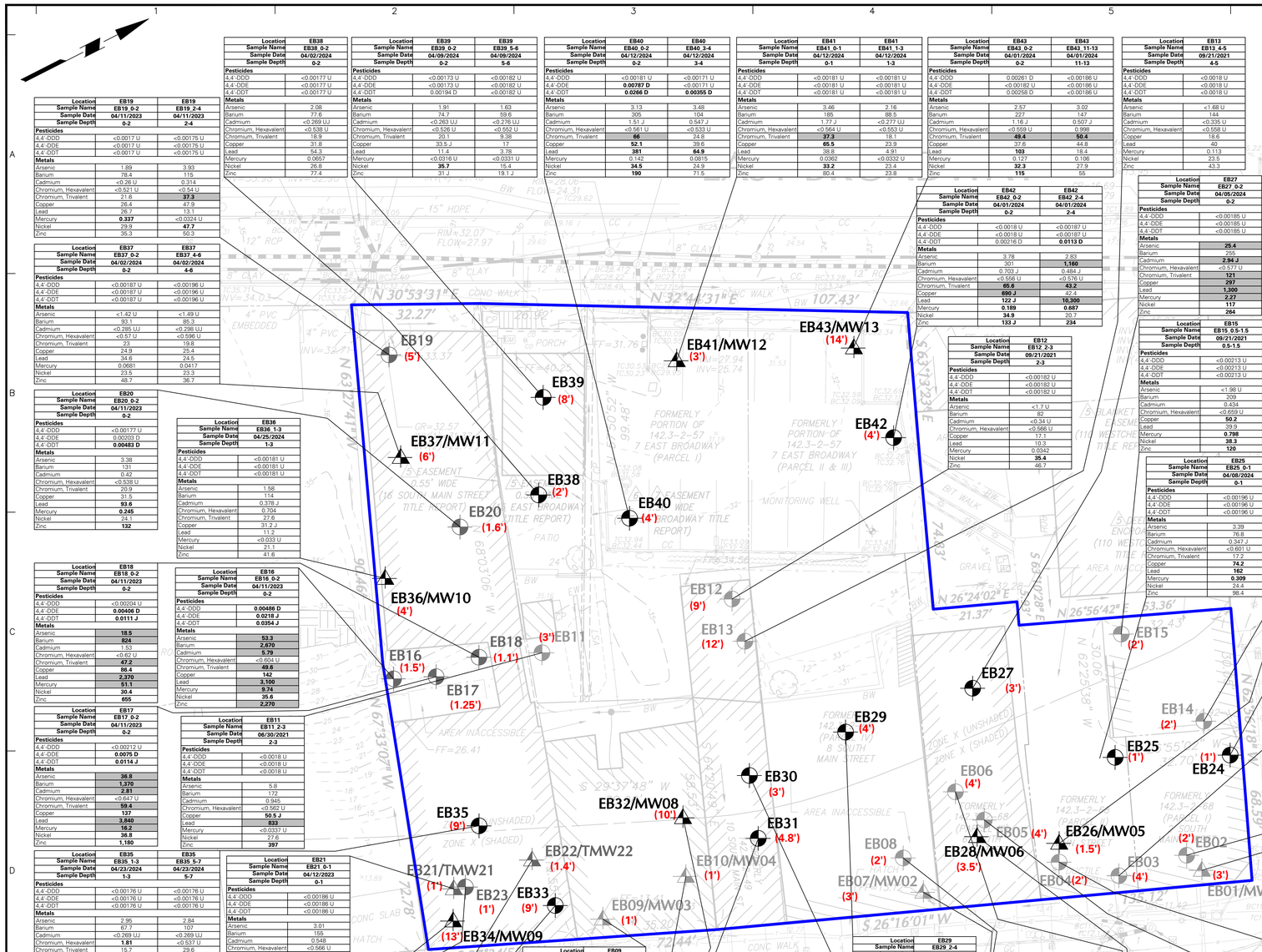
| Analyte | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Residential SCOs |
|---|---|---|
| **VOCs** | | |
| Acetone | 0.05 | 100 |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 |
| **SVOCs** | | |
| Benzo(a)anthracene | 1 | 1 |
| Benzo(a)pyrene | 1 | 1 |
| Benzo(b)fluoranthene | 1 | 1 |
| Benzo(k)fluoranthene | 0.8 | 1 |
| Chrysene | 1 | 1 |
| Dibenz(a,h)anthracene | 0.33 | 0.33 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 |

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. ONLY COMPOUNDS WITH EXCEEDANCES ARE SHOWN.
4. CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
5. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU) AND RESTRICTED USE RESIDENTIAL (RUR) SOIL CLEANUP OBJECTIVES (SCO).
6. DETECTED ANALYTES ABOVE UU SCOs ARE BOLDED
7. DETECTED ANALYTES ABOVE RUR SCOs ARE SHADED
8. VOC - VOLATILE ORGANIC COMPOUND
9. SVOC - SEMIVOLATILE ORGANIC COMPOUND

QUALIFIERS

D - THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
UJ - THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE REPORTING LIMIT (RL); HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONT




| Location | EB38 | EB39 | EB39 | EB40 | EB40 | EB41 | EB41 | EB43 | EB43 | EB13 | EB14 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Name | EB38 0-2 | EB39 0-2 | EB39 5-6 | EB40 0-2 | EB40 3-4 | EB41 0-1 | EB41 1-3 | EB43 0-2 | EB43 11-13 | EB13 4-5 | EB14 0.5-1.5 |
| Sample Date | 04/02/2024 | 04/09/2024 | 04/09/2024 | 04/12/2024 | 04/12/2024 | 04/12/2024 | 04/12/2024 | 04/01/2024 | 04/01/2024 | 09/21/2021 | 09/21/2021 |
| Sample Depth | 0-2 | 0-2 | 5-6 | 0-2 | 3-4 | 0-1 | 1-3 | 0-2 | 11-13 | 4-5 | 0.5-1.5 |
| **Pesticides** | | | | | | | | | | | |
| 4,4'-DDD | <0.00177 U | <0.00173 U | <0.00182 U | <0.00181 U | <0.00171 U | <0.00181 U | <0.00181 U | 0.00261 D | <0.00186 U | <0.0018 U | <0.0018 U |
| 4,4'-DDE | <0.00177 U | <0.00173 U | <0.00182 U | **0.00787 D** | <0.00171 U | <0.00181 U | <0.00181 U | <0.00182 U | <0.00186 U | <0.0018 U | <0.0018 U |
| 4,4'-DDT | <0.00177 U | 0.00194 D | <0.00182 U | **0.0266 D** | **0.00355 D** | <0.00181 U | <0.00181 U | 0.00258 D | <0.00186 U | <0.0018 U | <0.0018 U |
| **Metals** | | | | | | | | | | | |
| Arsenic | 2.08 | 1.91 | 1.63 | 3.13 | 3.48 | 3.46 | 2.16 | 2.57 | 3.02 | <1.68 U | 2.56 |
| Barium | 77.6 | 74.7 | 59.6 | 305 | 104 | 185 | 88.5 | 227 | 147 | 144 | 153 |
| Cadmium | <0.269 UJ | <0.263 UJ | <0.276 UJ | 1.51 J | 0.547 J | 1.77 J | <0.277 UJ | 1.16 J | 0.507 J | <0.335 U | <0.339 U |
| Chromium, Hexavalent | <0.538 U | <0.526 U | <0.552 U | <0.561 U | <0.533 U | <0.564 U | <0.553 U | <0.559 U | 0.998 | <0.558 U | <0.565 U |
| Chromium, Trivalent | 18.9 | 20.1 | 9.38 | **66** | 24.8 | **37.3** | 18.1 | **49.4** | **50.4** | 37.6 | 18.6 |
| Copper | 31.8 | 33.5 J | 17 | **52.1** | 39.6 | **65.5** | 23.9 | 37.6 | 44.8 | 40 | 40 |
| Lead | 54.3 | 11.4 | 3.78 | **381** | **64.9** | 38.8 | 4.91 | **103** | 18.4 | 0.113 | 51 |
| Mercury | 0.0657 | 0.142 | <0.0331 U | **34.5** | 24.9 | 0.0362 | <0.0332 U | 0.127 | 0.106 | 23.5 | **1.4** |
| Nickel | 26.8 | **35.7** | 15.4 | **190** | 71.5 | **33.2** | 23.4 | **32.3** | 27.9 | 43.3 | 28.7 |
| Zinc | 77.4 | 31.J | 19.1 J | | | 80.4 | 23.8 | **115** | 55 | | 66.6 |

| Location | EB19 | EB19 |
|---|---|---|
| Sample Name | EB19 0-2 | EB19 2-4 |
| Sample Date | 04/11/2023 | 04/11/2023 |
| Sample Depth | 0-2 | 2-4 |
| **Pesticides** | | |
| 4,4'-DDD | <0.0017 U | <0.00175 U |
| 4,4'-DDE | <0.0017 U | <0.00175 U |
| 4,4'-DDT | <0.0017 U | <0.00175 U |
| **Metals** | | |
| Arsenic | 1.89 | 3.93 |
| Barium | 78.4 | 115 |
| Cadmium | <0.26 U | 0.314 |
| Chromium, Hexavalent | <0.521 U | <0.54 U |
| Chromium, Trivalent | 21.6 | **37.3** |
| Copper | 26.4 | 47.9 |
| Lead | 26.7 | 13.1 |
| Mercury | **0.337** | <0.0324 U |
| Nickel | 29.9 | **47.7** |
| Zinc | 35.3 | 50.3 |

| Location | EB37 | EB37 |
|---|---|---|
| Sample Name | EB37 0-2 | EB37 4-6 |
| Sample Date | 04/02/2024 | 04/02/2024 |
| Sample Depth | 0-2 | 4-6 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00187 U | <0.00196 U |
| 4,4'-DDE | <0.00187 U | <0.00196 U |
| 4,4'-DDT | <0.00187 U | <0.00196 U |
| **Metals** | | |
| Arsenic | <1.42 U | <1.49 U |
| Barium | 93.1 | 85.3 |
| Cadmium | <0.285 UJ | <0.298 UJ |
| Chromium, Hexavalent | <0.57 U | <0.596 U |
| Chromium, Trivalent | 23 | 19.8 |
| Copper | 24.9 | 25.4 |
| Lead | 34.6 | 24.5 |
| Mercury | 0.0681 | 0.0417 |
| Nickel | 23.5 | 23.3 |
| Zinc | 48.7 | 36.7 |

| Location | EB20 |
|---|---|
| Sample Name | EB20 0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00177 U |
| 4,4'-DDE | 0.00203 D |
| 4,4'-DDT | **0.00483 D** |
| **Metals** | |
| Arsenic | 3.38 |
| Barium | 131 |
| Cadmium | 0.42 |
| Chromium, Hexavalent | <0.538 U |
| Chromium, Trivalent | 20.9 |
| Copper | 31.5 |
| Lead | **93.6** |
| Mercury | **0.245** |
| Nickel | 24.1 |
| Zinc | **132** |

| Location | EB36 |
|---|---|
| Sample Name | EB36 1-3 |
| Sample Date | 04/25/2024 |
| Sample Depth | 1-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.00181 U |
| 4,4'-DDE | <0.00181 U |
| 4,4'-DDT | <0.00181 U |
| **Metals** | |
| Arsenic | 1.58 |
| Barium | 114 |
| Cadmium | 0.378 J |
| Chromium, Hexavalent | 0.704 |
| Chromium, Trivalent | 27.6 |
| Copper | 31.2 J |
| Lead | 11.2 |
| Mercury | <0.033 U |
| Nickel | 21.1 |
| Zinc | 41.6 |

| Location | EB18 |
|---|---|
| Sample Name | EB18 0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00204 U |
| 4,4'-DDE | **0.00406 D** |
| 4,4'-DDT | **0.0111 J** |
| **Metals** | |
| Arsenic | **18.5** |
| Barium | **824** |
| Cadmium | 1.53 |
| Chromium, Hexavalent | <0.62 U |
| Chromium, Trivalent | **47.2** |
| Copper | **86.4** |
| Lead | **2,370** |
| Mercury | **51.1** |
| Nickel | **30.4** |
| Zinc | **655** |

| Location | EB16 |
|---|---|
| Sample Name | EB16 0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | **0.00486 D** |
| 4,4'-DDE | **0.0218 J** |
| 4,4'-DDT | **0.0354 J** |
| **Metals** | |
| Arsenic | **53.3** |
| Barium | **2,670** |
| Cadmium | **5.79** |
| Chromium, Hexavalent | <0.604 U |
| Chromium, Trivalent | **49.6** |
| Copper | **142** |
| Lead | **3,100** |
| Mercury | **9.74** |
| Nickel | **35.6** |
| Zinc | **2,270** |

| Location | EB17 |
|---|---|
| Sample Name | EB17 0-2 |
| Sample Date | 04/11/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00212 U |
| 4,4'-DDE | **0.0075 D** |
| 4,4'-DDT | **0.0114 J** |
| **Metals** | |
| Arsenic | **36.8** |
| Barium | **1,370** |
| Cadmium | **2.81** |
| Chromium, Hexavalent | <0.647 U |
| Chromium, Trivalent | **59.4** |
| Copper | **137** |
| Lead | **3,840** |
| Mercury | **16.2** |
| Nickel | **36.8** |
| Zinc | **1,180** |

| Location | EB11 |
|---|---|
| Sample Name | EB11 2-3 |
| Sample Date | 08/30/2021 |
| Sample Depth | 2-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.0018 U |
| 4,4'-DDE | <0.0018 U |
| 4,4'-DDT | <0.0018 U |
| **Metals** | |
| Arsenic | 5.8 |
| Barium | 172 |
| Cadmium | 0.945 |
| Chromium, Hexavalent | <0.562 U |
| Copper | **50.5 J** |
| Lead | **833** |
| Mercury | <0.0337 U |
| Nickel | 27.6 |
| Zinc | **397** |

| Location | EB35 | EB35 |
|---|---|---|
| Sample Name | EB35 1-3 | EB35 5-7 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 1-3 | 5-7 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00176 U | <0.00176 U |
| 4,4'-DDE | <0.00176 U | <0.00176 U |
| 4,4'-DDT | <0.00176 U | <0.00176 U |
| **Metals** | | |
| Arsenic | 2.95 | 2.84 |
| Barium | 67.7 | 107 |
| Cadmium | <0.269 UJ | <0.269 UJ |
| Chromium, Hexavalent | **1.81** | <0.537 U |
| Chromium, Trivalent | 15.7 | 29.6 |
| Copper | 22.9 J | 19.5 J |
| Lead | 61.3 | 31.9 J |
| Mercury | 0.102 | 0.0756 |
| Nickel | 12.1 | 19.6 J |
| Zinc | 107 | 68.2 J |

| Location | EB21 |
|---|---|
| Sample Name | EB21 0-1 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00186 U |
| 4,4'-DDE | <0.00186 U |
| 4,4'-DDT | <0.00186 U |
| **Metals** | |
| Arsenic | 3.01 |
| Barium | 155 |
| Cadmium | 0.548 |
| Chromium, Hexavalent | <0.566 U |
| Chromium, Trivalent | **37.4** |
| Copper | 43.3 |
| Lead | **77** |
| Mercury | **1.05** |
| Nickel | **32.9** |
| Zinc | 91.6 |

| Location | EB09 |
|---|---|
| Sample Name | EB09 0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00203 U |
| 4,4'-DDE | <0.00203 U |
| 4,4'-DDT | <0.00203 U |
| **Metals** | |
| Arsenic | 3.69 |
| Barium | 123 |
| Cadmium | 0.475 |
| Chromium, Hexavalent | <0.63 U |
| Copper | 33.2 |
| Lead | 59.8 |
| Mercury | 0.115 |
| Nickel | 26.9 |
| Zinc | 95.3 |

| Location | EB34 | EB34 |
|---|---|---|
| Sample Name | EB34 4-6 | EB34 7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 4-6 | 7-9 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00196 U | <0.002 U |
| 4,4'-DDE | <0.00196 U | <0.002 U |
| 4,4'-DDT | <0.00196 U | <0.002 U |
| **Metals** | | |
| Arsenic | 10.9 J | 2.66 |
| Barium | 340 J | **791** |
| Cadmium | 0.384 J | 1.13 J |
| Chromium, Hexavalent | <0.601 U | <0.613 U |
| Chromium, Trivalent | 26.3 J | 23 |
| Copper | **58.6 J** | 23.7 J |
| Lead | **470 J** | **891** |
| Mercury | **0.283 J** | **0.216** |
| Nickel | 13.8 | 14.2 |
| Zinc | **363 J** | **482** |

| Location | EB23 |
|---|---|
| Sample Name | EB23 0-2 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00189 U |
| 4,4'-DDE | <0.00189 U |
| 4,4'-DDT | <0.00189 U |
| **Metals** | |
| Arsenic | 3.7 |
| Barium | 142 |
| Cadmium | 0.443 |
| Chromium, Hexavalent | <0.584 U |
| Chromium, Trivalent | **30.4** |
| Copper | 41.5 |
| Lead | **76.4** |
| Mercury | **0.903** |
| Nickel | **30.5** |
| Zinc | 76.1 |

| Location | EB22 |
|---|---|
| Sample Name | EB22 0-2 |
| Sample Date | 04/12/2023 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00179 U |
| 4,4'-DDE | <0.00179 U |
| 4,4'-DDT | <0.00179 U |
| **Metals** | |
| Arsenic | 3.37 |
| Barium | 121 |
| Cadmium | 0.293 |
| Chromium, Hexavalent | <0.555 U |
| Chromium, Trivalent | 23.9 |
| Copper | **89** |
| Lead | 14.7 |
| Mercury | 0.142 |
| Nickel | **35.8** |
| Zinc | 77.2 |

| Location | EB33 | EB33 |
|---|---|---|
| Sample Name | EB33 3-5 | EB33 7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 3-5 | 7-9 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00183 U | <0.00189 U |
| 4,4'-DDE | <0.00183 U | <0.00189 U |
| 4,4'-DDT | <0.00183 U | <0.00189 U |
| **Metals** | | |
| Arsenic | 3.42 | 4.05 |
| Barium | 114 | 122 |
| Cadmium | <0.281 UJ | 0.489 J |
| Chromium, Hexavalent | <0.561 U | <0.578 U |
| Chromium, Trivalent | 24 | 29.4 |
| Copper | 35.8 | 35.9 |
| Lead | 53.7 | 21.4 |
| Mercury | 0.13 | 0.117 |
| Nickel | 27 | 28.8 |
| Zinc | 50.3 | 103 |

| Location | EB32 | EB32 |
|---|---|---|
| Sample Name | EB32 6-8 | EB32 8-10 |
| Sample Date | 04/22/2024 | 04/22/2024 |
| Sample Depth | 6-8 | 8-10 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00178 U | <0.00181 U |
| 4,4'-DDE | 0.00203 D | <0.00181 U |
| 4,4'-DDT | <0.00178 U | <0.00181 U |
| **Metals** | | |
| Arsenic | 2.68 | 2.48 |
| Barium | 47.5 | 130 |
| Cadmium | <0.271 UJ | 0.592 J |
| Chromium, Hexavalent | **1.82** | <0.554 U |
| Chromium, Trivalent | 13.8 | 19.4 |
| Copper | 14 | 35.8 |
| Lead | 32.4 | **82.3** |
| Mercury | 0.0357 | 0.0912 |
| Nickel | 16.8 | 16.9 |
| Zinc | 46.4 | **120** |

| Location | EB10 |
|---|---|
| Sample Name | EB10 0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00184 U |
| 4,4'-DDE | <0.00184 U |
| 4,4'-DDT | <0.00184 U |
| **Metals** | |
| Arsenic | 2.52 |
| Barium | 147 |
| Cadmium | 0.578 |
| Chromium, Hexavalent | <0.563 U |
| Copper | 7.71 |
| Lead | 14.9 |
| Mercury | **0.425** |
| Nickel | 26.8 |
| Zinc | 66 |

| Location | EB12 |
|---|---|
| Sample Name | EB12 2-3 |
| Sample Date | 09/21/2021 |
| Sample Depth | 2-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.00182 U |
| 4,4'-DDE | <0.00182 U |
| 4,4'-DDT | <0.00182 U |
| **Metals** | |
| Arsenic | <1.7 U |
| Barium | 82 |
| Cadmium | <0.34 U |
| Chromium, Hexavalent | <0.566 U |
| Copper | 17.1 |
| Lead | 10.3 |
| Mercury | 0.0342 |
| Nickel | **35.4** |
| Zinc | 46.7 |

| Location | EB42 | EB42 |
|---|---|---|
| Sample Name | EB42 0-2 | EB42 2-4 |
| Sample Date | 04/01/2024 | 04/01/2024 |
| Sample Depth | 0-2 | 2-4 |
| **Pesticides** | | |
| 4,4'-DDD | <0.0018 U | <0.00187 U |
| 4,4'-DDE | <0.0018 U | <0.00187 U |
| 4,4'-DDT | 0.00216 D | **0.0113 D** |
| **Metals** | | |
| Arsenic | 3.78 | 2.83 |
| Barium | 301 | **1,160** |
| Cadmium | 0.703 J | 0.484 J |
| Chromium, Hexavalent | <0.556 U | <0.576 U |
| Chromium, Trivalent | **65.6** | **43.2** |
| Copper | **690 J** | 42.4 |
| Lead | **122 J** | **10,300** |
| Mercury | **0.189** | **0.687** |
| Nickel | **34.9** | 20.7 |
| Zinc | **133 J** | **234** |

| Location | EB27 |
|---|---|
| Sample Name | EB27 0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00185 U |
| 4,4'-DDE | <0.00185 U |
| 4,4'-DDT | <0.00185 U |
| **Metals** | |
| Arsenic | **25.4** |
| Barium | 295 |
| Cadmium | **2.94 J** |
| Chromium, Hexavalent | <0.577 U |
| Chromium, Trivalent | **121** |
| Copper | **297** |
| Lead | **1,300** |
| Mercury | **2.27** |
| Nickel | **117** |
| Zinc | **264** |

| Location | EB26 |
|---|---|
| Sample Name | EB26 0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.00377 U |
| 4,4'-DDE | <0.00377 U |
| 4,4'-DDT | <0.00377 U |
| **Metals** | |
| Arsenic | 3.16 |
| Barium | 58.8 |
| Cadmium | 0.498 J |
| Chromium, Hexavalent | <0.606 U |
| Chromium, Trivalent | 13.9 |
| Copper | **74.3** |
| Lead | **217** |
| Mercury | **0.35** |
| Nickel | 26.4 |
| Zinc | **125** |

| Location | EB15 |
|---|---|
| Sample Name | EB15 0.5-1.5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 0.5-1.5 |
| **Pesticides** | |
| 4,4'-DDD | <0.00213 U |
| 4,4'-DDE | <0.00213 U |
| 4,4'-DDT | <0.00213 U |
| **Metals** | |
| Arsenic | <1.98 U |
| Barium | 209 |
| Cadmium | 0.434 |
| Chromium, Hexavalent | <0.659 U |
| Copper | **50.2** |
| Lead | 39.9 |
| Mercury | **0.798** |
| Nickel | **38.3** |
| Zinc | **120** |

| Location | EB24 |
|---|---|
| Sample Name | EB24 0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00196 U |
| 4,4'-DDE | <0.00196 U |
| 4,4'-DDT | <0.00196 U |
| **Metals** | |
| Arsenic | 2.19 |
| Barium | 129 |
| Cadmium | 0.512 J |
| Chromium, Hexavalent | <0.602 U |
| Chromium, Trivalent | **34.3** |
| Copper | **70.3** |
| Lead | **88** |
| Mercury | **1.42** |
| Nickel | 25.9 |
| Zinc | **110** |

| Location | EB25 |
|---|---|
| Sample Name | EB25 0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00196 U |
| 4,4'-DDE | <0.00196 U |
| 4,4'-DDT | <0.00196 U |
| **Metals** | |
| Arsenic | 3.39 |
| Barium | 76.8 |
| Cadmium | 0.347 J |
| Chromium, Hexavalent | <0.601 U |
| Chromium, Trivalent | 17.2 |
| Copper | **74.2** |
| Lead | **162** |
| Mercury | **0.309** |
| Nickel | 24.4 |
| Zinc | 98.4 |

| Location | EB03 |
|---|---|
| Sample Name | EB03 3-4 |
| Sample Date | 06/16/2021 |
| Sample Depth | 3-4 |
| **Pesticides** | |
| 4,4'-DDD | <0.00181 U |
| 4,4'-DDE | <0.00181 U |
| 4,4'-DDT | <0.00181 U |
| **Metals** | |
| Arsenic | 4.15 |
| Barium | 109 |
| Cadmium | <0.332 U |
| Chromium, Hexavalent | <0.554 U |
| Copper | **122** |
| Lead | 8.93 |
| Mercury | **0.347** |
| Nickel | **47.2** |
| Zinc | 72.2 |

| Location | EB02 |
|---|---|
| Sample Name | EB02 0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00195 U |
| 4,4'-DDE | <0.00195 U |
| 4,4'-DDT | <0.00195 U |
| **Metals** | |
| Arsenic | 4.68 |
| Barium | 261 |
| Cadmium | 0.598 |
| Chromium, Hexavalent | <0.596 U |
| Copper | 49.1 |
| Lead | 14.3 |
| Mercury | **0.761** |
| Nickel | **36.7** |
| Zinc | 76.4 |

| Location | EB01 |
|---|---|
| Sample Name | EB01 2-3 |
| Sample Date | 06/16/2021 |
| Sample Depth | 2-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.0018 U |
| 4,4'-DDE | <0.0018 U |
| 4,4'-DDT | <0.0018 U |
| **Metals** | |
| Arsenic | 1.68 |
| Barium | 64 |
| Cadmium | <0.329 U |
| Chromium, Hexavalent | <0.549 U |
| Copper | 43.9 |
| Lead | 5.18 |
| Mercury | 0.121 |
| Nickel | 19.8 |
| Zinc | 36.8 |

| Location | EB04 |
|---|---|
| Sample Name | EB04 0.5-1.5 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0.5-1.5 |
| **Pesticides** | |
| 4,4'-DDD | <0.00189 U |
| 4,4'-DDE | <0.00189 U |
| 4,4'-DDT | <0.00189 U |
| **Metals** | |
| Arsenic | 2.85 |
| Barium | 82.9 |
| Cadmium | <0.347 U |
| Chromium, Hexavalent | <0.578 U |
| Copper | 36.8 |
| Lead | 34.7 |
| Mercury | **0.674** |
| Nickel | 22.3 |
| Zinc | 64.7 |

| Location | EB05 |
|---|---|
| Sample Name | EB05 0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00178 U |
| 4,4'-DDE | <0.00178 U |
| 4,4'-DDT | <0.00178 U |
| **Metals** | |
| Arsenic | 8.23 |
| Barium | 110 |
| Cadmium | 0.941 |
| Chromium, Hexavalent | <0.544 U |
| Copper | 33.8 |
| Lead | **406** |
| Mercury | **0.619** |
| Nickel | 16.1 |
| Zinc | 77.2 |

| Location | EB29 |
|---|---|
| Sample Name | EB29 2-4 |
| Sample Date | 04/08/2024 |
| Sample Depth | 2-4 |
| **Pesticides** | |
| 4,4'-DDD | <0.00177 U |
| 4,4'-DDE | <0.00177 U |
| 4,4'-DDT | <0.00177 U |
| **Metals** | |
| Arsenic | 3.04 |
| Barium | 60.4 |
| Cadmium | <0.27 UJ |
| Chromium, Hexavalent | <0.539 U |
| Chromium, Trivalent | 18 |
| Copper | **57.5** |
| Lead | 15.9 |
| Mercury | 0.0785 |
| Nickel | 22.9 |
| Zinc | 39.9 |

| Location | EB08 |
|---|---|
| Sample Name | EB08 0-1 |
| Sample Date | 06/17/2021 |
| Sample Depth | 0-1 |
| **Pesticides** | |
| 4,4'-DDD | <0.00175 U |
| 4,4'-DDE | <0.00175 U |
| 4,4'-DDT | <0.00175 U |
| **Metals** | |
| Arsenic | 2.79 |
| Barium | 86 |
| Cadmium | 0.354 |
| Chromium, Hexavalent | <0.536 U |
| Copper | 45.2 |
| Lead | **70.7** |
| Mercury | **0.725** |
| Nickel | 25.6 |
| Zinc | **181** |

| Location | EB28 |
|---|---|
| Sample Name | EB28 1-3 |
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.00193 U |
| 4,4'-DDE | <0.00193 U |
| 4,4'-DDT | <0.00193 U |
| **Metals** | |
| Arsenic | 5.32 |
| Barium | 133 |
| Cadmium | <0.293 UJ |
| Chromium, Hexavalent | <0.586 U |
| Chromium, Trivalent | 27.3 |
| Copper | 39.6 |
| Lead | **378** |
| Mercury | **0.502** |
| Nickel | 22.7 |
| Zinc | 98.4 |

| Location | EB06 |
|---|---|
| Sample Name | EB06 0.5-1.5 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0.5-1.5 |
| **Metals** | |
| Arsenic | 4.16 |
| Barium | 151 |
| Cadmium | 0.373 |
| Copper | 41.1 |
| Lead | **744** |
| Nickel | 27.3 |
| Zinc | 107 |

| Sample Name | EB31 1-3 |
|---|---|
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **Pesticides** | |
| 4,4'-DDD | <0.00172 U |
| 4,4'-DDE | <0.00172 U |
| 4,4'-DDT | <0.00172 U |
| **Metals** | |
| Arsenic | 4 |
| Barium | 50.6 |
| Cadmium | <0.262 UJ |
| Chromium, Hexavalent | <0.524 U |
| Chromium, Trivalent | 24.8 |
| Copper | 42.2 |
| Lead | 24.2 |
| Mercury | 0.0433 |
| Nickel | **32.9** |
| Zinc | 50 |

| Location | EB30 |
|---|---|
| Sample Name | EB30 0-2 |
| Sample Date | 04/04/2024 |
| Sample Depth | 0-2 |
| **Pesticides** | |
| 4,4'-DDD | <0.0018 U |
| 4,4'-DDE | <0.0018 U |
| 4,4'-DDT | <0.0018 U |
| **Metals** | |
| Arsenic | 3.44 |
| Barium | 146 |
| Cadmium | <0.274 UJ |
| Chromium, Hexavalent | <0.549 U |
| Chromium, Trivalent | 23.7 |
| Copper | 35.6 |
| Lead | 15.2 |
| Mercury | 0.0382 |
| Nickel | **38.3** |
| Zinc | 33.2 |

| Location | EB07 | EB07 |
|---|---|---|
| Sample Name | EB07 2-3 | EBDUP01 061721 |
| Sample Date | 44364 | 44364 |
| Sample Depth | 2-3 | 2-3 |
| **Pesticides** | | |
| 4,4'-DDD | <0.00192 U | <0.00192 U |
| 4,4'-DDE | <0.00192 U | <0.00192 U |
| 4,4'-DDT | <0.00192 U | <0.00192 U |
| **Metals** | | |
| Arsenic | <1.77 U | <1.77 U |
| Barium | 51.7 | 58.4 |
| Cadmium | <0.354 U | <0.353 U |
| Chromium, Hexavalent | <0.589 UJ | <0.589 U |
| Copper | 26.4 | 23.4 |
| Lead | 57.3 J | **97 J** |
| Mercury | **0.284** | **0.384** |
| Nickel | 13.9 | 15.3 |
| Zinc | 61.1 | 69 |

| Analyte | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Residential SCOs |
|---|---|---|
| **Pesticides** | | |
| 4,4'-DDD | 0.0033 | 2.6 |
| 4,4'-DDE | 0.0033 | 1.8 |
| 4,4'-DDT | 0.0033 | 1.7 |
| **Metals** | | |
| Arsenic | 13 | 16 |
| Barium | 350 | 350 |
| Cadmium | 2.5 | 2.5 |
| Chromium, Hexavalent | 1 | 22 |
| Chromium, Trivalent | 30 | 36 |
| Copper | 50 | 270 |
| Lead | 63 | 400 |
| Mercury | 0.18 | 0.81 |
| Nickel | 30 | 140 |
| Zinc | 109 | 2200 |

LEGEND

- SITE BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- (3') — APPROXIMATE REFUSAL DEPTH DUE TO PRESUMED BEDROCK ENCOUNTERED DURING THE PHASE II ESI (LANGAN) OR THE RI (LANGAN)

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. ONLY COMPOUNDS WITH EXCEEDANCES ARE SHOWN.
4. CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
5. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU) AND RESTRICTED USE RESIDENTIAL (RUR) SOIL CLEANUP OBJECTIVES (SCO).
6. DETECTED ANALYTES ABOVE UU SCOs ARE BOLDED
7. DETECTED ANALYTES ABOVE RUR SCOs ARE SHADED

QUALIFIERS

D - THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
UJ - THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE REPORTING LIMIT (RL); HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

15 0 3 6 15
SCALE: 1 INCH = 15 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, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.


LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

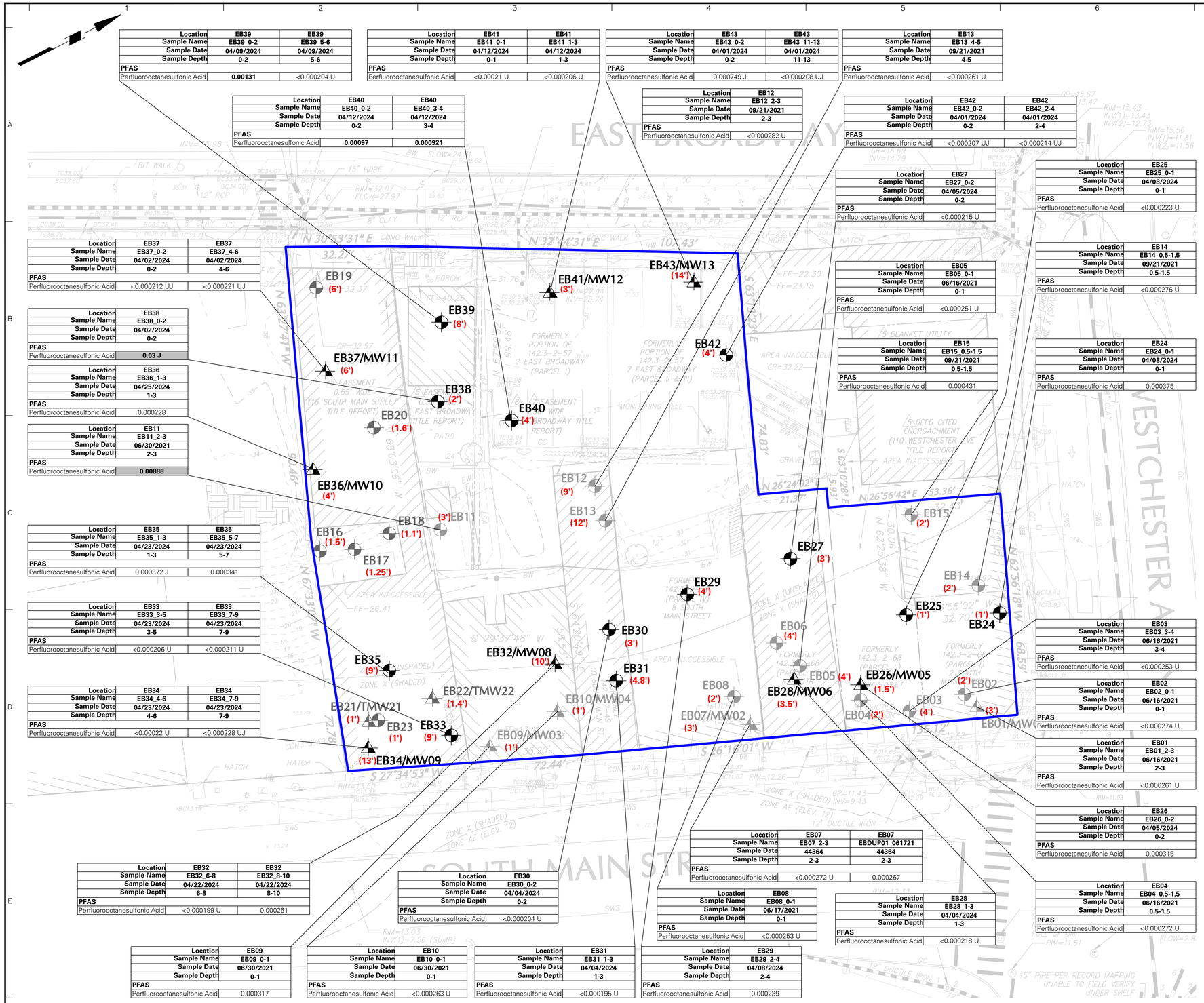

Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: SOIL SAMPLE ANALYTICAL RESULTS MAP - PESTICIDES AND METALS

Project No. 170653201
Date 8/7/2024
Drawn By LPG
Checked By JA
Figure No. 4B
Sheet 5 of 9

LANGAN
PROJECT NO. 170653201


Filename: \\langan.com\data\NYC\data\170653201\Project Data\CAD\01\SheetFiles\Environmental\2024 RAWP\RAWP Figures_v1.dwg Date: 8/7/2024 Time: 14:44 User: lgrose Style Table: Langan.stb Layout: Figure 4B




| Location | EB39 | EB39 |
|---|---|---|
| Sample Name | EB39_0-2 | EB39_5-6 |
| Sample Date | 04/09/2024 | 04/09/2024 |
| Sample Depth | 0-2 | 5-6 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | **0.00131** | <0.000204 U |

| Location | EB41 | EB41 |
|---|---|---|
| Sample Name | EB41_0-1 | EB41_1-3 |
| Sample Date | 04/12/2024 | 04/12/2024 |
| Sample Depth | 0-1 | 1-3 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.00021 U | <0.000206 U |

| Location | EB43 | EB43 |
|---|---|---|
| Sample Name | EB43_0-2 | EB43_11-13 |
| Sample Date | 04/01/2024 | 04/01/2024 |
| Sample Depth | 0-2 | 11-13 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | 0.000749 J | <0.000208 UJ |

| Location | EB13 |
|---|---|
| Sample Name | EB13_4-5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 4-5 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000261 U |

| Location | EB40 | EB40 |
|---|---|---|
| Sample Name | EB40_0-2 | EB40_3-4 |
| Sample Date | 04/12/2024 | 04/12/2024 |
| Sample Depth | 0-2 | 3-4 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | **0.00097** | **0.000921** |

| Location | EB12 |
|---|---|
| Sample Name | EB12_2-3 |
| Sample Date | 09/21/2021 |
| Sample Depth | 2-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000282 U |

| Location | EB42 | EB42 |
|---|---|---|
| Sample Name | EB42_0-2 | EB42_2-4 |
| Sample Date | 04/01/2024 | 04/01/2024 |
| Sample Depth | 0-2 | 2-4 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.000207 UJ | <0.000214 UJ |

| Location | EB27 |
|---|---|
| Sample Name | EB27_0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000215 U |

| Location | EB25 |
|---|---|
| Sample Name | EB25_0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000223 U |

| Location | EB37 | EB37 |
|---|---|---|
| Sample Name | EB37_0-2 | EB37_4-6 |
| Sample Date | 04/02/2024 | 04/02/2024 |
| Sample Depth | 0-2 | 4-6 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.000212 UJ | <0.000221 UJ |

| Location | EB05 |
|---|---|
| Sample Name | EB05_0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000251 U |

| Location | EB14 |
|---|---|
| Sample Name | EB14_0.5-1.5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 0.5-1.5 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000276 U |

| Location | EB38 |
|---|---|
| Sample Name | EB38_0-2 |
| Sample Date | 04/02/2024 |
| Sample Depth | 0-2 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | **0.03 J** |

| Location | EB15 |
|---|---|
| Sample Name | EB15_0.5-1.5 |
| Sample Date | 09/21/2021 |
| Sample Depth | 0.5-1.5 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000431 |

| Location | EB24 |
|---|---|
| Sample Name | EB24_0-1 |
| Sample Date | 04/08/2024 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000375 |

| Location | EB36 |
|---|---|
| Sample Name | EB36_1-3 |
| Sample Date | 04/25/2024 |
| Sample Depth | 1-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000228 |

| Location | EB11 |
|---|---|
| Sample Name | EB11_2-3 |
| Sample Date | 06/30/2021 |
| Sample Depth | 2-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | **0.00888** |

| Location | EB35 | EB35 |
|---|---|---|
| Sample Name | EB35_1-3 | EB35_5-7 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 1-3 | 5-7 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | 0.000372 J | 0.000341 |

| Location | EB33 | EB33 |
|---|---|---|
| Sample Name | EB33_3-5 | EB33_7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 3-5 | 7-9 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.000206 U | <0.000211 U |

| Location | EB34 | EB34 |
|---|---|---|
| Sample Name | EB34_4-6 | EB34_7-9 |
| Sample Date | 04/23/2024 | 04/23/2024 |
| Sample Depth | 4-6 | 7-9 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.00022 U | <0.000228 UJ |

| Location | EB03 |
|---|---|
| Sample Name | EB03_3-4 |
| Sample Date | 06/16/2021 |
| Sample Depth | 3-4 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000253 U |

| Location | EB02 |
|---|---|
| Sample Name | EB02_0-1 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000274 U |

| Location | EB01 |
|---|---|
| Sample Name | EB01_2-3 |
| Sample Date | 06/16/2021 |
| Sample Depth | 2-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000261 U |

| Location | EB26 |
|---|---|
| Sample Name | EB26_0-2 |
| Sample Date | 04/05/2024 |
| Sample Depth | 0-2 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000315 |

| Location | EB04 |
|---|---|
| Sample Name | EB04_0.5-1.5 |
| Sample Date | 06/16/2021 |
| Sample Depth | 0.5-1.5 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000272 U |

| Location | EB32 | EB32 |
|---|---|---|
| Sample Name | EB32_6-8 | EB32_8-10 |
| Sample Date | 04/22/2024 | 04/22/2024 |
| Sample Depth | 6-8 | 8-10 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.000199 U | 0.000261 |

| Location | EB30 |
|---|---|
| Sample Name | EB30_0-2 |
| Sample Date | 04/04/2024 |
| Sample Depth | 0-2 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000204 U |

| Location | EB07 | EB07 |
|---|---|---|
| Sample Name | EB07_2-3 | EBDUP01_061721 |
| Sample Date | 44364 | 44364 |
| Sample Depth | 2-3 | 2-3 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid | <0.000272 U | 0.000267 |

| Location | EB08 |
|---|---|
| Sample Name | EB08_0-1 |
| Sample Date | 06/17/2021 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000253 U |

| Location | EB28 |
|---|---|
| Sample Name | EB28_1-3 |
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000218 U |

| Location | EB09 |
|---|---|
| Sample Name | EB09_0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000317 |

| Location | EB10 |
|---|---|
| Sample Name | EB10_0-1 |
| Sample Date | 06/30/2021 |
| Sample Depth | 0-1 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000263 U |

| Location | EB31 |
|---|---|
| Sample Name | EB31_1-3 |
| Sample Date | 04/04/2024 |
| Sample Depth | 1-3 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | <0.000195 U |

| Location | EB29 |
|---|---|
| Sample Name | EB29_2-4 |
| Sample Date | 04/08/2024 |
| Sample Depth | 2-4 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid | 0.000239 |

LEGEND

- SITE BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- (3') — APPROXIMATE REFUSAL DEPTH DUE TO PRESUMED BEDROCK ENCOUNTERED DURING THE PHASE II ESI (LANGAN) OR THE RI (LANGAN)

| Analyte | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Residential SCOs |
|---|---|---|
| **PFAS** | | |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 |

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
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4. CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
5. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU) AND RESTRICTED USE RESIDENTIAL (RUR) SOIL CLEANUP OBJECTIVES (SCO).
6. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC PART 375 REMEDIAL PROGRAMS GUIDELINES FOR SAMPLING AND ANALYSIS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNRESTRICTED USE AND RESTRICTED USE RESIDENTIAL GUIDANCE VALUES (APRIL 2023)
7. DETECTED ANALYTES ABOVE UU SCOs ARE BOLDED
8. DETECTED ANALYTES ABOVE RUR SCOs ARE SHADED
9. PFOS - PERFLUOROOCTANESULFONIC ACID
10. PFAS - POLYFLOUOROALKYL SUBSTANCES

QUALIFIERS

J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
UJ - THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE REPORTING LIMIT (RL); HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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Langan Engineering and Environmental Services, Inc.
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New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: SOIL SAMPLE ANALYTICAL RESULTS MAP - PFAS

Project No. 170653201
Date 8/7/2024
Drawn By LPG
Checked By JA

Figure No. 4C

Sheet 6 of 9

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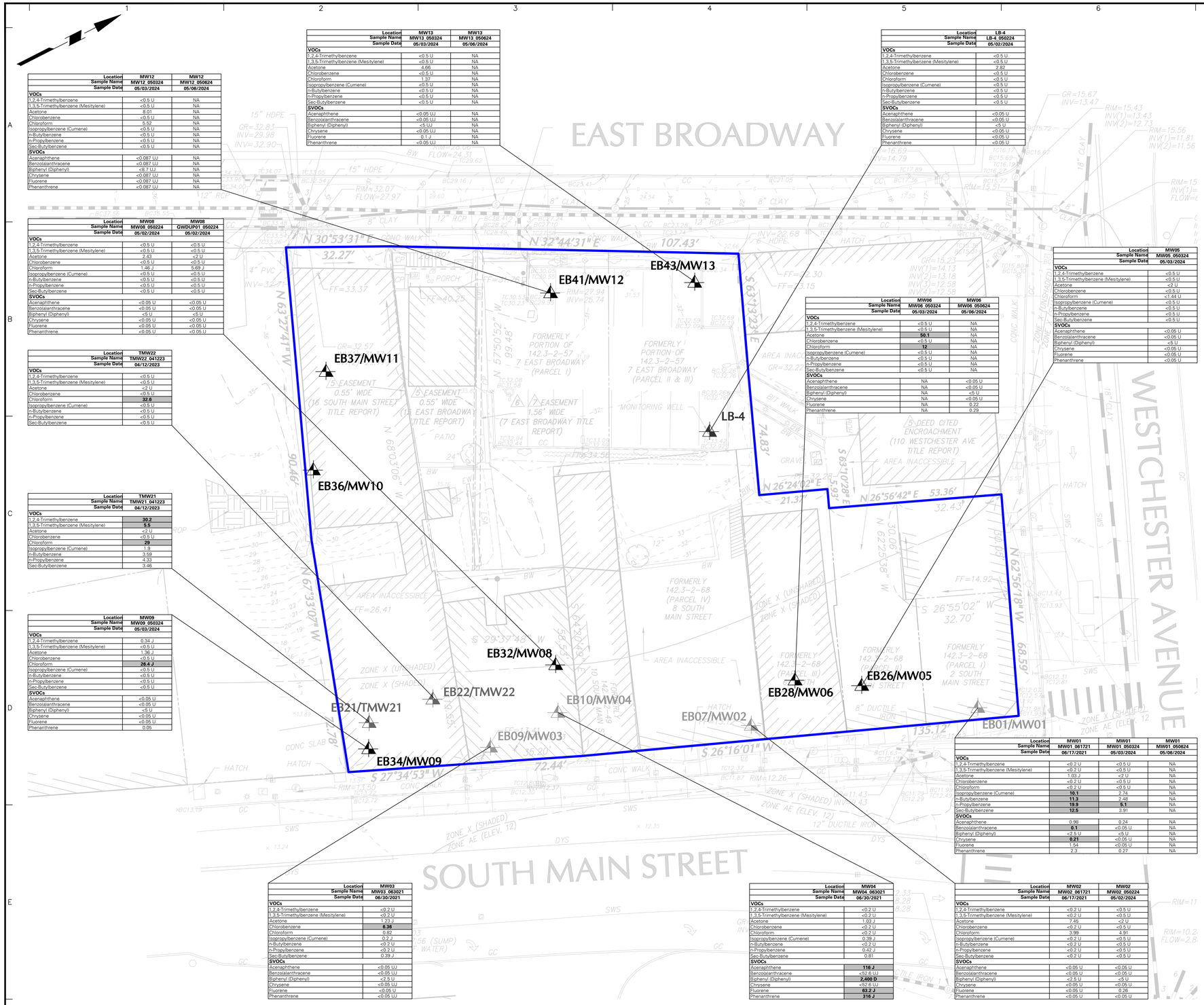
PROJECT NO. 170653201




| Location | MW12 | MW12 |
|---|---|---|
| Sample Name | MW12_050324 | MW12_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **VOCs** | | |
| 1,2,4-Trimethylbenzene | <0.5 U | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U | NA |
| Acetone | 8.01 | NA |
| Chlorobenzene | <0.5 U | NA |
| Chloroform | 5.52 | NA |
| Isopropylbenzene (Cumene) | <0.5 U | NA |
| n-Butylbenzene | <0.5 U | NA |
| n-Propylbenzene | <0.5 U | NA |
| Sec-Butylbenzene | <0.5 U | NA |
| **SVOCs** | | |
| Acenaphthene | <0.087 UJ | NA |
| Benzo(a)anthracene | <0.087 UJ | NA |
| Biphenyl (Diphenyl) | <8.7 UJ | NA |
| Chrysene | <0.087 UJ | NA |
| Fluorene | <0.087 UJ | NA |
| Phenanthrene | <0.087 UJ | NA |

| Location | MW08 | MW08 |
|---|---|---|
| Sample Name | MW08_050224 | GWDUP01_050224 |
| Sample Date | 05/02/2024 | 05/02/2024 |
| **VOCs** | | |
| 1,2,4-Trimethylbenzene | <0.5 U | <0.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U | <0.5 U |
| Acetone | 2.43 | <2 U |
| Chlorobenzene | <0.5 U | <0.5 U |
| Chloroform | 1.46 J | 5.69 J |
| Isopropylbenzene (Cumene) | <0.5 U | <0.5 U |
| n-Butylbenzene | <0.5 U | <0.5 U |
| n-Propylbenzene | <0.5 U | <0.5 U |
| Sec-Butylbenzene | <0.5 U | <0.5 U |
| **SVOCs** | | |
| Acenaphthene | <0.05 U | <0.05 U |
| Benzo(a)anthracene | <0.05 U | <0.05 U |
| Biphenyl (Diphenyl) | <5 U | <5 U |
| Chrysene | <0.05 U | <0.05 U |
| Fluorene | <0.05 U | <0.05 U |
| Phenanthrene | <0.05 U | <0.05 U |

| Location | TMW22 |
|---|---|
| Sample Name | TMW22_041223 |
| Sample Date | 04/12/2023 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U |
| Acetone | <2 U |
| Chlorobenzene | <0.5 U |
| Chloroform | **32.6** |
| Isopropylbenzene (Cumene) | <0.5 U |
| n-Butylbenzene | <0.5 U |
| n-Propylbenzene | <0.5 U |
| Sec-Butylbenzene | <0.5 U |

| Location | TMW21 |
|---|---|
| Sample Name | TMW21_041223 |
| Sample Date | 04/12/2023 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | **30.2** |
| 1,3,5-Trimethylbenzene (Mesitylene) | **5.5** |
| Acetone | <2 U |
| Chlorobenzene | <0.5 U |
| Chloroform | **29** |
| Isopropylbenzene (Cumene) | 1.9 |
| n-Butylbenzene | 3.59 |
| n-Propylbenzene | 4.33 |
| Sec-Butylbenzene | 3.46 |

| Location | MW09 |
|---|---|
| Sample Name | MW09_050324 |
| Sample Date | 05/03/2024 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 0.34 J |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U |
| Acetone | 1.36 J |
| Chlorobenzene | <0.5 U |
| Chloroform | **26.4 J** |
| Isopropylbenzene (Cumene) | <0.5 U |
| n-Butylbenzene | <0.5 U |
| n-Propylbenzene | <0.5 U |
| Sec-Butylbenzene | <0.5 U |
| **SVOCs** | |
| Acenaphthene | <0.05 U |
| Benzo(a)anthracene | <0.05 U |
| Biphenyl (Diphenyl) | <5 U |
| Chrysene | <0.05 U |
| Fluorene | <0.05 U |
| Phenanthrene | 0.05 |

| Location | MW13 | MW13 |
|---|---|---|
| Sample Name | MW13_050324 | MW13_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **VOCs** | | |
| 1,2,4-Trimethylbenzene | <0.5 U | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U | NA |
| Acetone | 4.66 | NA |
| Chlorobenzene | <0.5 U | NA |
| Chloroform | 1.37 | NA |
| Isopropylbenzene (Cumene) | <0.5 U | NA |
| n-Butylbenzene | <0.5 U | NA |
| n-Propylbenzene | <0.5 U | NA |
| Sec-Butylbenzene | <0.5 U | NA |
| **SVOCs** | | |
| Acenaphthene | <0.05 UJ | NA |
| Benzo(a)anthracene | <0.05 UJ | NA |
| Biphenyl (Diphenyl) | <5 UJ | NA |
| Chrysene | <0.05 UJ | NA |
| Fluorene | 0.1 J | NA |
| Phenanthrene | <0.05 UJ | NA |

| Location | LB-4 |
|---|---|
| Sample Name | LB-4_050224 |
| Sample Date | 05/02/2024 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U |
| Acetone | 2.82 |
| Chlorobenzene | <0.5 U |
| Chloroform | <0.5 U |
| Isopropylbenzene (Cumene) | <0.5 U |
| n-Butylbenzene | <0.5 U |
| n-Propylbenzene | <0.5 U |
| Sec-Butylbenzene | <0.5 U |
| **SVOCs** | |
| Acenaphthene | <0.05 U |
| Benzo(a)anthracene | <0.05 U |
| Biphenyl (Diphenyl) | <5 U |
| Chrysene | <0.05 U |
| Fluorene | <0.05 U |
| Phenanthrene | <0.05 U |

| Location | MW06 | MW06 |
|---|---|---|
| Sample Name | MW06_050324 | MW06_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **VOCs** | | |
| 1,2,4-Trimethylbenzene | <0.5 U | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U | NA |
| Acetone | **50.1** | NA |
| Chlorobenzene | <0.5 U | NA |
| Chloroform | **12** | NA |
| Isopropylbenzene (Cumene) | <0.5 U | NA |
| n-Butylbenzene | <0.5 U | NA |
| n-Propylbenzene | <0.5 U | NA |
| Sec-Butylbenzene | <0.5 U | NA |
| **SVOCs** | | |
| Acenaphthene | NA | <0.05 U |
| Benzo(a)anthracene | NA | <0.05 U |
| Biphenyl (Diphenyl) | NA | <5 U |
| Chrysene | NA | <0.05 U |
| Fluorene | NA | 0.22 |
| Phenanthrene | NA | 0.29 |

| Location | MW05 |
|---|---|
| Sample Name | MW05_050324 |
| Sample Date | 05/03/2024 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.5 U |
| Acetone | <2 U |
| Chlorobenzene | <0.5 U |
| Chloroform | <1.44 U |
| Isopropylbenzene (Cumene) | <0.5 U |
| n-Butylbenzene | <0.5 U |
| n-Propylbenzene | <0.5 U |
| Sec-Butylbenzene | <0.5 U |
| **SVOCs** | |
| Acenaphthene | <0.05 U |
| Benzo(a)anthracene | <0.05 U |
| Biphenyl (Diphenyl) | <5 U |
| Chrysene | <0.05 U |
| Fluorene | <0.05 U |
| Phenanthrene | <0.05 U |

| Analyte | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Residential SCOs |
|---|---|---|
| **VOCs** | | |
| Acetone | 0.05 | 100 |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 |
| **SVOCs** | | |
| Benzo(a)anthracene | 1 | 1 |
| Benzo(a)pyrene | 1 | 1 |
| Benzo(b)fluoranthene | 1 | 1 |
| Benzo(k)fluoranthene | 0.8 | 1 |
| Chrysene | 1 | 1 |
| Dibenz(a,h)anthracene | 0.33 | 0.33 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 |

| Location | MW01 | MW01 | MW01 |
|---|---|---|---|
| Sample Name | MW01_061721 | MW01_050324 | MW01_050624 |
| Sample Date | 06/17/2021 | 05/03/2024 | 05/06/2024 |
| **VOCs** | | | |
| 1,2,4-Trimethylbenzene | <0.2 U | <0.5 U | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.2 U | <0.5 U | NA |
| Acetone | 1.03 J | <2 U | NA |
| Chlorobenzene | <0.2 U | <0.5 U | NA |
| Chloroform | <0.2 U | <0.5 U | NA |
| Isopropylbenzene (Cumene) | **10.1** | 2.74 | NA |
| n-Butylbenzene | **11.3** | 2.48 | NA |
| n-Propylbenzene | **19.9** | **5.1** | NA |
| Sec-Butylbenzene | **12.5** | 3.91 | NA |
| **SVOCs** | | | |
| Acenaphthene | 0.98 | 0.24 | NA |
| Benzo(a)anthracene | **0.1** | <0.05 U | NA |
| Biphenyl (Diphenyl) | <2.5 U | <5 U | NA |
| Chrysene | **0.21** | <0.05 U | NA |
| Fluorene | 1.54 | <0.05 U | NA |
| Phenanthrene | 2.3 | 0.27 | NA |

| Location | MW03 |
|---|---|
| Sample Name | MW03_063021 |
| Sample Date | 06/30/2021 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.2 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.2 U |
| Acetone | 1.23 J |
| Chlorobenzene | **6.38** |
| Chloroform | 0.82 |
| Isopropylbenzene (Cumene) | 0.2 J |
| n-Butylbenzene | <0.2 U |
| n-Propylbenzene | <0.2 U |
| Sec-Butylbenzene | 0.39 J |
| **SVOCs** | |
| Acenaphthene | <0.05 UJ |
| Benzo(a)anthracene | <0.05 UJ |
| Biphenyl (Diphenyl) | <2.5 U |
| Chrysene | <0.05 UJ |
| Fluorene | <0.05 U |
| Phenanthrene | <0.05 UJ |

| Location | MW04 |
|---|---|
| Sample Name | MW04_063021 |
| Sample Date | 06/30/2021 |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.2 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.2 U |
| Acetone | 1.03 J |
| Chlorobenzene | <0.2 U |
| Chloroform | <0.2 U |
| Isopropylbenzene (Cumene) | 0.39 J |
| n-Butylbenzene | <0.2 U |
| n-Propylbenzene | 0.42 J |
| Sec-Butylbenzene | 0.81 |
| **SVOCs** | |
| Acenaphthene | **116 J** |
| Benzo(a)anthracene | <52.6 UJ |
| Biphenyl (Diphenyl) | **2,400 DJ** |
| Chrysene | <52.6 UJ |
| Fluorene | **63.2 J** |
| Phenanthrene | **316 J** |

| Location | MW02 | MW02 |
|---|---|---|
| Sample Name | MW02_061721 | MW02_050224 |
| Sample Date | 06/17/2021 | 05/02/2024 |
| **VOCs** | | |
| 1,2,4-Trimethylbenzene | <0.2 U | <0.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.2 U | <0.5 U |
| Acetone | 7.45 | <2 U |
| Chlorobenzene | <0.2 U | <0.5 U |
| Chloroform | 3.99 | 4.91 |
| Isopropylbenzene (Cumene) | <0.2 U | <0.5 U |
| n-Butylbenzene | <0.2 U | <0.5 U |
| n-Propylbenzene | <0.2 U | <0.5 U |
| Sec-Butylbenzene | <0.2 U | <0.5 U |
| **SVOCs** | | |
| Acenaphthene | <0.05 U | <0.05 U |
| Benzo(a)anthracene | <0.05 U | <0.05 U |
| Biphenyl (Diphenyl) | <2.5 U | <5 U |
| Chrysene | <0.05 U | <0.05 U |
| Fluorene | <0.05 U | 0.26 |
| Phenanthrene | <0.05 U | <0.05 U |

LEGEND

- SITE BOUNDARY
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB26/MW05 — 2021 GEOTECHNICAL MONITORING WELL LOCATION (LANGAN)
- LB-4 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. RI AND PHASE II ESI MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM UNIT.
4. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/l).
5. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 CODES, RULES, AND REGULATIONS (NYCRR) Part 703.5 AND THE NYSDEC TECHNICAL AND OPERATION GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER AND PUBLISHED ADDENDA (HEREIN COLLECTIVELY REFERENCED AS "NYSDEC SGVs").
6. DETECTED ANALYTES ABOVE THE NYSDEC SGVs ARE BOLDED AND SHADED.
7. VOC - VOLATILE ORGANIC COMPOUND
8. SVOC - SEMIVOLATILE ORGANIC COMPOUND
9. MW10 AND MW11 DID NOT RECHARGE BETWEEN DEVELOPMENT AND SAMPLING, THEREFORE, THEY WERE NOT SAMPLED.

QUALIFIERS

D - THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
UJ - THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE REPORTING LIMIT (RL); HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.
NA - NOT ANALYZED

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: GROUNDWATER SAMPLE ANALYTICAL RESULTS MAP - VOCs AND SVOCs

Project No. 170653201
Date 8/6/2024
Drawn By LPG
Checked By JA

Figure No. 5A
Sheet 7 of 9

PROJECT NO. 170653201

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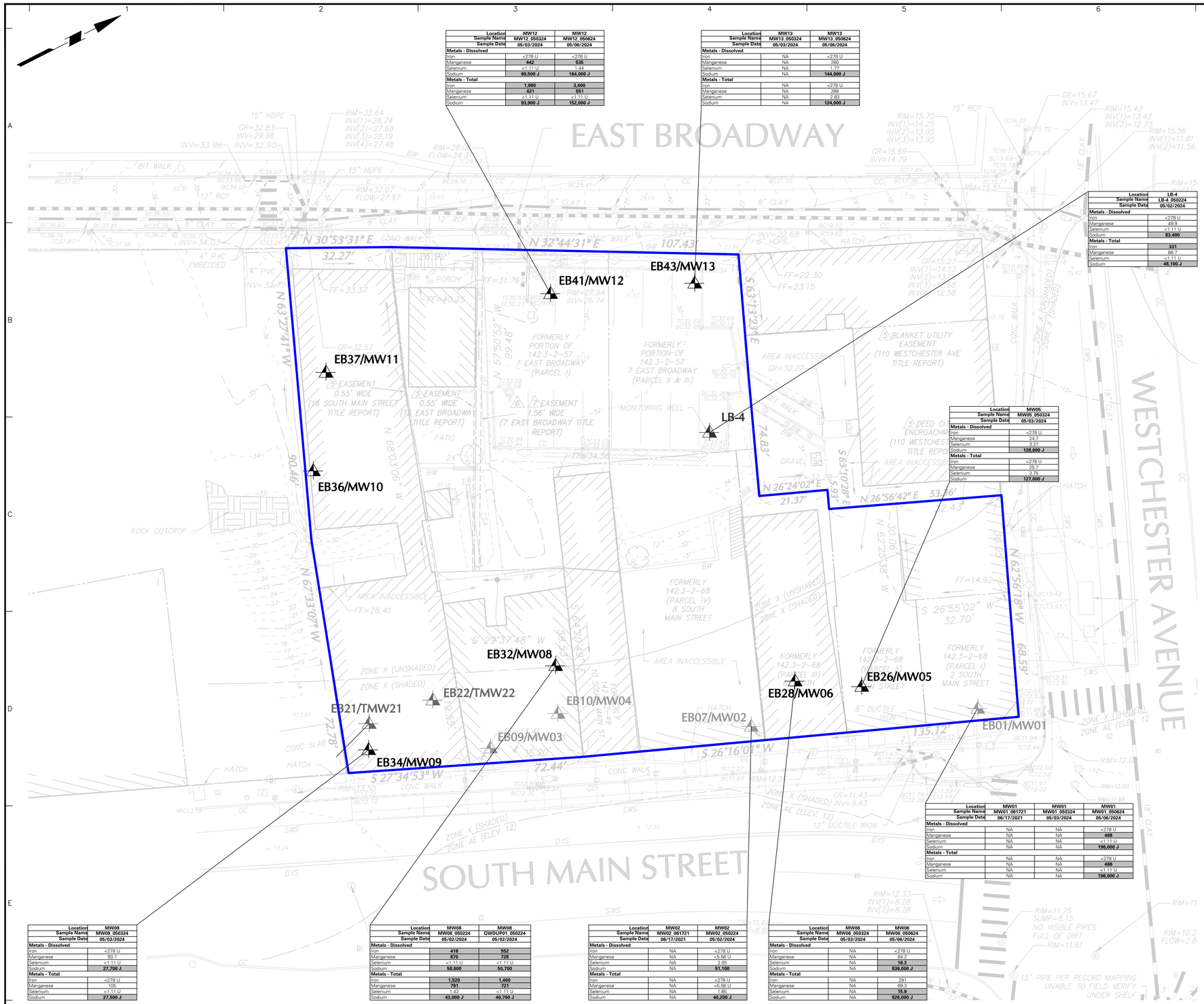


| Location | MW12 | MW12 |
|---|---|---|
| Sample Name | MW12_050324 | MW12_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **Metals - Dissolved** | | |
| Iron | <278 U | <278 U |
| Manganese | **442** | **535** |
| Selenium | <1.11 U | 1.44 |
| Sodium | **99,500 J** | **164,000 J** |
| **Metals - Total** | | |
| Iron | **1,980** | **3,400** |
| Manganese | **421** | **551** |
| Selenium | <1.11 U | <1.11 U |
| Sodium | **93,900 J** | **152,000 J** |

| Location | MW13 | MW13 |
|---|---|---|
| Sample Name | MW13_050324 | MW13_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **Metals - Dissolved** | | |
| Iron | NA | <278 U |
| Manganese | NA | 260 |
| Selenium | NA | 1.77 |
| Sodium | NA | **144,000 J** |
| **Metals - Total** | | |
| Iron | NA | <278 U |
| Manganese | NA | 288 |
| Selenium | NA | 2.83 |
| Sodium | NA | **124,000 J** |

| Location | LB-4 |
|---|---|
| Sample Name | LB-4_050224 |
| Sample Date | 05/02/2024 |
| **Metals - Dissolved** | |
| Iron | <278 U |
| Manganese | 49.9 |
| Selenium | <1.11 U |
| Sodium | **83,400** |
| **Metals - Total** | |
| Iron | **331** |
| Manganese | 66.7 |
| Selenium | <1.11 U |
| Sodium | **48,100 J** |

| Location | MW05 |
|---|---|
| Sample Name | MW05_050324 |
| Sample Date | 05/03/2024 |
| **Metals - Dissolved** | |
| Iron | <278 U |
| Manganese | 24.7 |
| Selenium | 3.27 |
| Sodium | **128,000 J** |
| **Metals - Total** | |
| Iron | <278 U |
| Manganese | 25.7 |
| Selenium | 3.75 |
| Sodium | **127,000 J** |

| Location | MW01 | MW01 | MW01 |
|---|---|---|---|
| Sample Name | MW01_061721 | MW01_050324 | MW01_050624 |
| Sample Date | 06/17/2021 | 05/03/2024 | 05/06/2024 |
| **Metals - Dissolved** | | | |
| Iron | NA | NA | <278 U |
| Manganese | NA | NA | **488** |
| Selenium | NA | NA | <1.11 U |
| Sodium | NA | NA | **196,000 J** |
| **Metals - Total** | | | |
| Iron | NA | NA | <278 U |
| Manganese | NA | NA | **486** |
| Selenium | NA | NA | <1.11 U |
| Sodium | NA | NA | **196,000 J** |

| Location | MW09 |
|---|---|
| Sample Name | MW09_050324 |
| Sample Date | 05/03/2024 |
| **Metals - Dissolved** | |
| Iron | <278 U |
| Manganese | 93.7 |
| Selenium | <1.11 U |
| Sodium | **27,700 J** |
| **Metals - Total** | |
| Iron | <278 U |
| Manganese | 105 |
| Selenium | <1.11 U |
| Sodium | **27,500 J** |

| Location | MW08 | MW08 |
|---|---|---|
| Sample Name | MW08_050224 | GWDUP01_050224 |
| Sample Date | 05/02/2024 | 05/02/2024 |
| **Metals - Dissolved** | | |
| Iron | **416** | **552** |
| Manganese | **870** | **728** |
| Selenium | <1.11 U | <1.11 U |
| Sodium | **58,600** | **50,700** |
| **Metals - Total** | | |
| Iron | **1,520** | **1,400** |
| Manganese | **791** | **721** |
| Selenium | 1.42 | <1.11 U |
| Sodium | **43,000 J** | **40,700 J** |

| Location | MW02 | MW02 |
|---|---|---|
| Sample Name | MW02_061721 | MW02_050224 |
| Sample Date | 06/17/2021 | 05/02/2024 |
| **Metals - Dissolved** | | |
| Iron | NA | <278 U |
| Manganese | NA | <5.56 U |
| Selenium | NA | 2.05 |
| Sodium | NA | **51,100** |
| **Metals - Total** | | |
| Iron | NA | <278 U |
| Manganese | NA | <5.56 U |
| Selenium | NA | 1.65 |
| Sodium | NA | **40,200 J** |

| Location | MW06 | MW06 |
|---|---|---|
| Sample Name | MW06_050324 | MW06_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **Metals - Dissolved** | | |
| Iron | NA | <278 U |
| Manganese | NA | 64.2 |
| Selenium | NA | **16.3** |
| Sodium | NA | **836,000 J** |
| **Metals - Total** | | |
| Iron | NA | 291 |
| Manganese | NA | 69.3 |
| Selenium | NA | **15.9** |
| Sodium | NA | **826,000 J** |

LEGEND

- SITE BOUNDARY
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB26/MW05 — 2021 GEOTECHNICAL MONITORING WELL LOCATION (LANGAN)
- LB-4 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION

| Analyte | NYSDEC SGVs |
|---|---|
| **Metals - Dissolved** | |
| Iron | 300 |
| Manganese | 300 |
| Selenium | 10 |
| Sodium | 20000 |
| **Metals - Total** | |
| Iron | 300 |
| Manganese | 300 |
| Selenium | 10 |
| Sodium | 20000 |

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. RI AND PHASE II ESI MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM UNIT.
4. ONLY COMPOUNDS WITH EXCEEDANCES ARE SHOWN.
5. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/l).
6. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 CODES, RULES, AND REGULATIONS (NYCRR) Part 703.5 AND THE NYSDEC TECHNICAL AND OPERATION GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER AND PUBLISHED ADDENDA (HEREIN COLLECTIVELY REFERENCED AS "NYSDEC SGVs").
7. DETECTED ANALYTES ABOVE THE NYSDEC SGVs ARE BOLDED AND SHADED
8. MW10 AND MW11 DID NOT RECHARGE BETWEEN DEVELOPMENT AND SAMPLING, THEREFORE, THEY WERE NOT SAMPLED.

QUALIFIERS

J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.
NA - NOT ANALYZED

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: GROUNDWATER SAMPLE ANALYTICAL RESULTS MAP - METALS

Project No. 170653201
Date 8/6/2024
Drawn By LPG
Checked By JA

Figure No. 5B
Sheet 8 of 9

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PROJECT NO. 170653201

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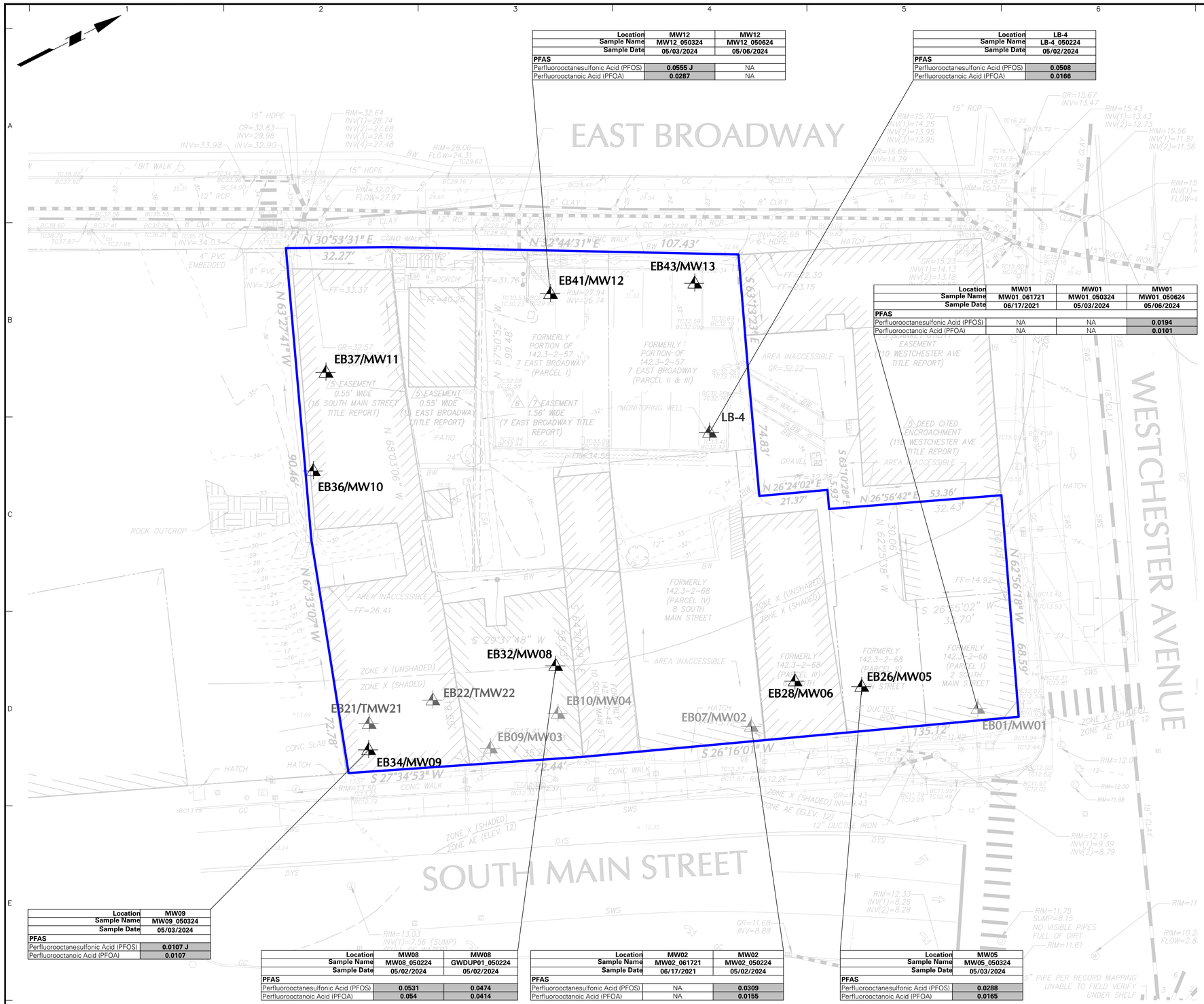


| Location | MW12 | MW12 |
|---|---|---|
| Sample Name | MW12_050324 | MW12_050624 |
| Sample Date | 05/03/2024 | 05/06/2024 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid (PFOS) | **0.0555 J** | NA |
| Perfluorooctanoic Acid (PFOA) | **0.0287** | NA |

| Location | LB-4 |
|---|---|
| Sample Name | LB-4_050224 |
| Sample Date | 05/02/2024 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid (PFOS) | **0.0508** |
| Perfluorooctanoic Acid (PFOA) | **0.0166** |

| Location | MW01 | MW01 | MW01 |
|---|---|---|---|
| Sample Name | MW01_061721 | MW01_050324 | MW01_050624 |
| Sample Date | 06/17/2021 | 05/03/2024 | 05/06/2024 |
| **PFAS** | | | |
| Perfluorooctanesulfonic Acid (PFOS) | NA | NA | **0.0194** |
| Perfluorooctanoic Acid (PFOA) | NA | NA | **0.0101** |

| Location | MW09 |
|---|---|
| Sample Name | MW09_050324 |
| Sample Date | 05/03/2024 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid (PFOS) | **0.0107 J** |
| Perfluorooctanoic Acid (PFOA) | **0.0107** |

| Location | MW08 | MW08 |
|---|---|---|
| Sample Name | MW08_050224 | GWDUP01_050224 |
| Sample Date | 05/02/2024 | 05/02/2024 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid (PFOS) | **0.0531** | **0.0474** |
| Perfluorooctanoic Acid (PFOA) | **0.054** | **0.0414** |

| Location | MW02 | MW02 |
|---|---|---|
| Sample Name | MW02_061721 | MW02_050224 |
| Sample Date | 06/17/2021 | 05/02/2024 |
| **PFAS** | | |
| Perfluorooctanesulfonic Acid (PFOS) | NA | **0.0309** |
| Perfluorooctanoic Acid (PFOA) | NA | **0.0155** |

| Location | MW05 |
|---|---|
| Sample Name | MW05_050324 |
| Sample Date | 05/03/2024 |
| **PFAS** | |
| Perfluorooctanesulfonic Acid (PFOS) | **0.0288** |
| Perfluorooctanoic Acid (PFOA) | **0.0165** |

LEGEND

- SITE BOUNDARY
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION (LANGAN)
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN)
- EB26/MW05 — 2021 GEOTECHNICAL MONITORING WELL LOCATION (LANGAN)
- LB-4 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION

| Analyte | NYSDEC SGVs |
|---|---|
| **PFAS** | |
| Perfluorooctanesulfonic Acid (PFOS) | 0.0027 |
| Perfluorooctanoic Acid (PFOA) | 0.0067 |

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. RI AND PHASE II ESI MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM UNIT.
4. ONLY COMPOUNDS WITH EXCEEDANCES ARE SHOWN.
5. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/l).
6. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 CODES, RULES, AND REGULATIONS (NYCRR) Part 703.5 AND THE NYSDEC TECHNICAL AND OPERATION GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER AND PUBLISHED ADDENDA (HEREIN COLLECTIVELY REFERENCED AS "NYSDEC SGVs").
7. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC PART 375 REMEDIAL PROGRAMS GUIDELINES FOR SAMPLING AND ANALYSIS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNRESTRICTED USE AND RESTRICTED USE RESIDENTIAL GUIDANCE VALUES (APRIL 2023)
8. DETECTED ANALYTES ABOVE THE NYSDEC SGVs ARE BOLDED AND SHADED
9. PFOS - PERFLUOROOCTANESULFONIC ACID
10. PFAS - POLYFLOUOROALKYL SUBSTANCES
11. MW10 AND MW11 DID NOT RECHARGE BETWEEN DEVELOPMENT AND SAMPLING, THEREFORE, THEY WERE NOT SAMPLED.

QUALIFIERS

J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
NA - NOT ANALYZED

15 0 3 6 15
SCALE: 1 INCH = 15 FEET

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Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: GROUNDWATER SAMPLE ANALYTICAL RESULTS MAP - PFAS

Project No. 170653201
Date 8/6/2024
Drawn By LPG
Checked By JA

Figure No. 5C
Sheet 9 of 9

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PROJECT NO. 170653201

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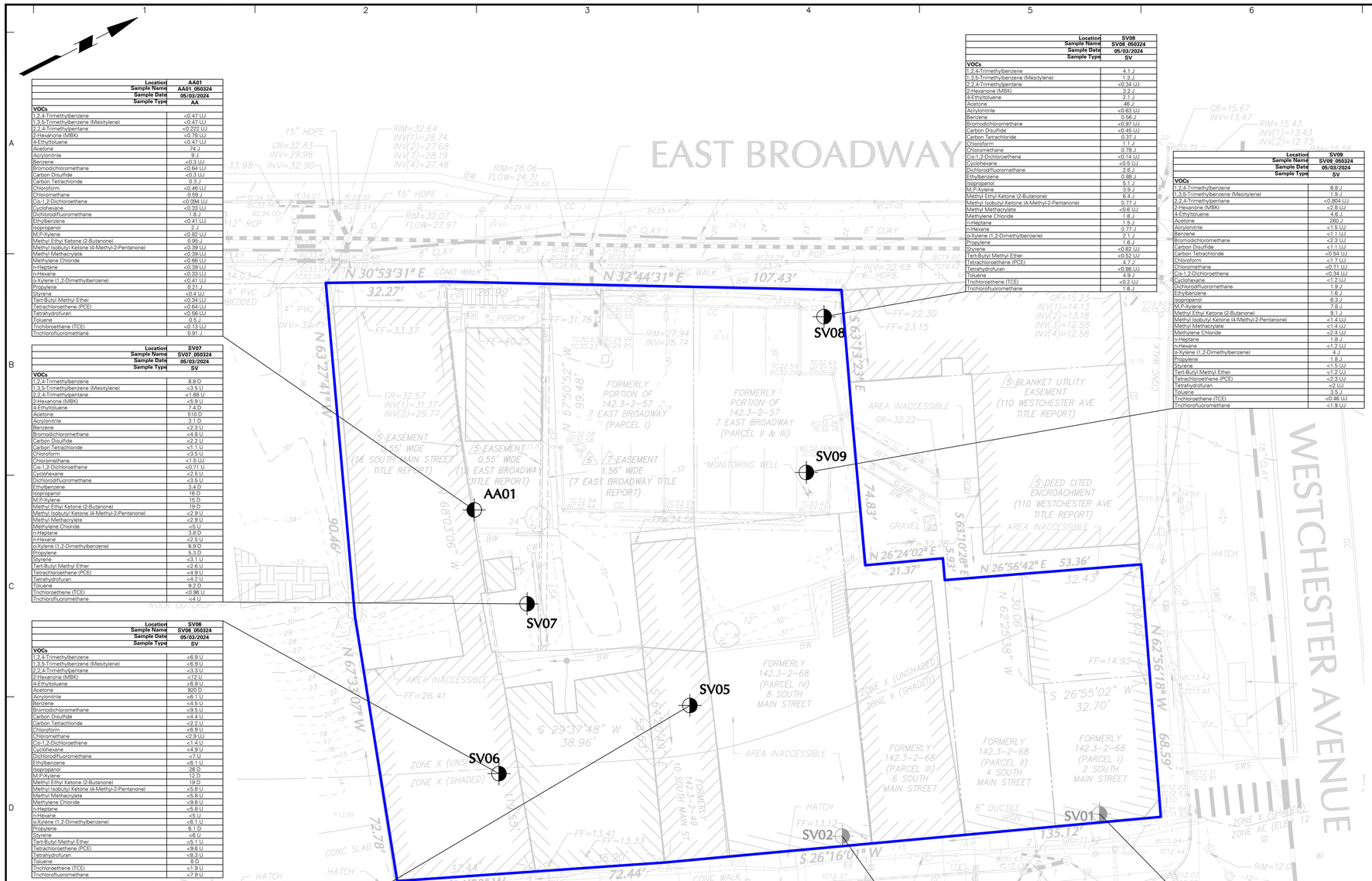
Filename: \\langan.com\data\NYC\data2\170653201\Project Data\CAD\01\Sheetfiles\Environmental\2024 RAWP\RAWP Figures_v1.dwg Date: 8/6/2024 Time: 17:41 User: lgrose Style Table: Langan.stb Layout: Figure 5C




| Location | SV08 |
|---|---|
| Sample Name | SV08_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 4.1 J |
| 1,3,5-Trimethylbenzene (Mesitylene) | 1.3 J |
| 2,2,4-Trimethylpentane | <0.34 UJ |
| 2-Hexanone (MBK) | 3.2 J |
| 4-Ethyltoluene | 2.1 J |
| Acetone | 46 J |
| Acrylonitrile | <0.63 UJ |
| Benzene | 0.56 J |
| Bromodichloromethane | <0.97 UJ |
| Carbon Disulfide | <0.45 UJ |
| Carbon Tetrachloride | 0.37 J |
| Chloroform | 1.1 J |
| Chloromethane | 0.78 J |
| Cis-1,2-Dichloroethene | <0.14 UJ |
| Cyclohexane | <0.5 UJ |
| Dichlorodifluoromethane | 2.6 J |
| Ethylbenzene | 0.88 J |
| Isopropanol | 5.1 J |
| M,P-Xylene | 3.9 J |
| Methyl Ethyl Ketone (2-Butanone) | 6.4 J |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | 0.77 J |
| Methyl Methacrylate | <0.6 UJ |
| Methylene Chloride | 1.8 J |
| n-Heptane | 1.5 J |
| n-Hexane | 0.77 J |
| o-Xylene (1,2-Dimethylbenzene) | 2.1 J |
| Propylene | 1.6 J |
| Styrene | <0.62 UJ |
| Tert-Butyl Methyl Ether | <0.52 UJ |
| Tetrachloroethene (PCE) | 4.7 J |
| Tetrahydrofuran | <0.86 UJ |
| Toluene | 4.9 J |
| Trichloroethene (TCE) | <0.2 UJ |
| Trichlorofluoromethane | 1.6 J |

| Location | SV09 |
|---|---|
| Sample Name | SV09_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 6.8 J |
| 1,3,5-Trimethylbenzene (Mesitylene) | 1.9 J |
| 2,2,4-Trimethylpentane | <0.804 UJ |
| 2-Hexanone (MBK) | <2.8 UJ |
| 4-Ethyltoluene | 4.6 J |
| Acetone | 260 J |
| Acrylonitrile | <1.5 UJ |
| Benzene | <1.1 UJ |
| Bromodichloromethane | <2.3 UJ |
| Carbon Disulfide | <1.1 UJ |
| Carbon Tetrachloride | <0.54 UJ |
| Chloroform | <1.7 UJ |
| Chloromethane | <0.71 UJ |
| Cis-1,2-Dichloroethene | <0.34 UJ |
| Cyclohexane | <1.2 UJ |
| Dichlorodifluoromethane | 1.9 J |
| Ethylbenzene | 1.6 J |
| Isopropanol | 6.3 J |
| M,P-Xylene | 7.8 J |
| Methyl Ethyl Ketone (2-Butanone) | 9.1 J |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <1.4 UJ |
| Methyl Methacrylate | <1.4 UJ |
| Methylene Chloride | <2.4 UJ |
| n-Heptane | 1.8 J |
| n-Hexane | <1.2 UJ |
| o-Xylene (1,2-Dimethylbenzene) | 4 J |
| Propylene | 1.8 J |
| Styrene | <1.5 UJ |
| Tert-Butyl Methyl Ether | <1.2 UJ |
| Tetrachloroethene (PCE) | <2.3 UJ |
| Tetrahydrofuran | <2 UJ |
| Toluene | 3.5 J |
| Trichloroethene (TCE) | <0.46 UJ |
| Trichlorofluoromethane | <1.9 UJ |

| Location | AA01 |
|---|---|
| Sample Name | AA01_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | AA |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <0.47 UJ |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.47 UJ |
| 2,2,4-Trimethylpentane | <0.222 UJ |
| 2-Hexanone (MBK) | <0.78 UJ |
| 4-Ethyltoluene | <0.47 UJ |
| Acetone | 74 J |
| Acrylonitrile | 9 J |
| Benzene | <0.3 UJ |
| Bromodichloromethane | <0.64 UJ |
| Carbon Disulfide | <0.3 UJ |
| Carbon Tetrachloride | 0.3 J |
| Chloroform | <0.46 UJ |
| Chloromethane | 0.59 J |
| Cis-1,2-Dichloroethene | <0.094 UJ |
| Cyclohexane | <0.33 UJ |
| Dichlorodifluoromethane | 1.8 J |
| Ethylbenzene | <0.41 UJ |
| Isopropanol | 2 J |
| M,P-Xylene | <0.82 UJ |
| Methyl Ethyl Ketone (2-Butanone) | 0.95 J |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <0.39 UJ |
| Methyl Methacrylate | <0.39 UJ |
| Methylene Chloride | <0.66 UJ |
| n-Heptane | <0.39 UJ |
| n-Hexane | <0.33 UJ |
| o-Xylene (1,2-Dimethylbenzene) | <0.41 UJ |
| Propylene | 0.21 J |
| Styrene | <0.4 UJ |
| Tert-Butyl Methyl Ether | <0.34 UJ |
| Tetrachloroethene (PCE) | <0.64 UJ |
| Tetrahydrofuran | <0.56 UJ |
| Toluene | 0.5 J |
| Trichloroethene (TCE) | <0.13 UJ |
| Trichlorofluoromethane | 0.91 J |

| Location | SV07 |
|---|---|
| Sample Name | SV07_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 8.8 D |
| 1,3,5-Trimethylbenzene (Mesitylene) | <3.5 U |
| 2,2,4-Trimethylpentane | <1.68 U |
| 2-Hexanone (MBK) | <5.9 U |
| 4-Ethyltoluene | 7.4 D |
| Acetone | 510 D |
| Acrylonitrile | 3.1 D |
| Benzene | <2.3 U |
| Bromodichloromethane | <4.8 U |
| Carbon Disulfide | <2.2 U |
| Carbon Tetrachloride | <1.1 U |
| Chloroform | <3.5 U |
| Chloromethane | <1.5 U |
| Cis-1,2-Dichloroethene | <0.71 U |
| Cyclohexane | <2.5 U |
| Dichlorodifluoromethane | <3.5 U |
| Ethylbenzene | 3.4 D |
| Isopropanol | 16 D |
| M,P-Xylene | 15 D |
| Methyl Ethyl Ketone (2-Butanone) | 19 D |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <2.9 U |
| Methyl Methacrylate | <2.9 U |
| Methylene Chloride | <5 U |
| n-Heptane | 3.8 D |
| n-Hexane | <2.5 U |
| o-Xylene (1,2-Dimethylbenzene) | 6.9 D |
| Propylene | 5.3 D |
| Styrene | <3.1 U |
| Tert-Butyl Methyl Ether | <2.6 U |
| Tetrachloroethene (PCE) | <4.9 U |
| Tetrahydrofuran | <4.2 U |
| Toluene | 9.2 D |
| Trichloroethene (TCE) | <0.96 U |
| Trichlorofluoromethane | <4 U |

| Location | SV06 |
|---|---|
| Sample Name | SV06_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | <6.9 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | <6.9 U |
| 2,2,4-Trimethylpentane | <3.3 U |
| 2-Hexanone (MBK) | <12 U |
| 4-Ethyltoluene | <6.9 U |
| Acetone | 920 D |
| Acrylonitrile | <6.1 U |
| Benzene | <4.5 U |
| Bromodichloromethane | <9.5 U |
| Carbon Disulfide | <4.4 U |
| Carbon Tetrachloride | <2.2 U |
| Chloroform | <6.9 U |
| Chloromethane | <2.9 U |
| Cis-1,2-Dichloroethene | <1.4 U |
| Cyclohexane | <4.9 U |
| Dichlorodifluoromethane | <7 U |
| Ethylbenzene | <6.1 U |
| Isopropanol | 26 D |
| M,P-Xylene | 12 D |
| Methyl Ethyl Ketone (2-Butanone) | 19 D |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <5.8 U |
| Methyl Methacrylate | <5.8 U |
| Methylene Chloride | <9.8 U |
| n-Heptane | <5.8 U |
| n-Hexane | <5 U |
| o-Xylene (1,2-Dimethylbenzene) | <6.1 U |
| Propylene | 6.1 D |
| Styrene | <6 U |
| Tert-Butyl Methyl Ether | <5.1 U |
| Tetrachloroethene (PCE) | <9.6 U |
| Tetrahydrofuran | <8.3 U |
| Toluene | 8 D |
| Trichloroethene (TCE) | <1.9 U |
| Trichlorofluoromethane | <7.9 U |

| Location | SSV05 |
|---|---|
| Sample Name | SSV05_050324 |
| Sample Date | 05/03/2024 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 95 D |
| 1,3,5-Trimethylbenzene (Mesitylene) | 25 D |
| 2,2,4-Trimethylpentane | 1.83 D |
| 2-Hexanone (MBK) | <2.7 U |
| 4-Ethyltoluene | 50 D |
| Acetone | 300 D |
| Acrylonitrile | 4.2 D |
| Benzene | <1 U |
| Bromodichloromethane | <2.2 U |
| Carbon Disulfide | <1 U |
| Carbon Tetrachloride | <0.51 U |
| Chloroform | <1.6 U |
| Chloromethane | <0.67 UJ |
| Cis-1,2-Dichloroethene | <0.32 U |
| Cyclohexane | <1.1 U |
| Dichlorodifluoromethane | 2.7 D |
| Ethylbenzene | 9.9 D |
| Isopropanol | 4.9 D |
| M,P-Xylene | 50 D |
| Methyl Ethyl Ketone (2-Butanone) | 4.2 D |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <1.3 U |
| Methyl Methacrylate | <1.3 U |
| Methylene Chloride | <2.3 U |
| n-Heptane | 4.3 D |
| n-Hexane | <1.1 U |
| o-Xylene (1,2-Dimethylbenzene) | 31 D |
| Propylene | <0.56 U |
| Styrene | <1.4 U |
| Tert-Butyl Methyl Ether | <1.2 U |
| Tetrachloroethene (PCE) | <2.2 U |
| Tetrahydrofuran | <1.9 U |
| Toluene | 11 D |
| Trichloroethene (TCE) | <0.44 U |
| Trichlorofluoromethane | <1.8 U |

| Location | SV02 |
|---|---|
| Sample Name | SV02_061721 |
| Sample Date | 06/17/2021 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 6.1 D |
| 1,3,5-Trimethylbenzene (Mesitylene) | 1.5 D |
| 2-Hexanone (MBK) | <1.3 U |
| 4-Ethyltoluene | 4 D |
| Acetone | 99 D |
| Acrylonitrile | <0.35 U |
| Benzene | 0.67 D |
| Bromodichloromethane | <1.1 U |
| Carbon Disulfide | 1.2 D |
| Carbon Tetrachloride | 0.3 D |
| Chloroform | 380 D |
| Chloromethane | <0.33 U |
| Cis-1,2-Dichloroethene | <0.16 U |
| Cyclohexane | 5.2 D |
| Dichlorodifluoromethane | 2.5 D |
| Ethylbenzene | 3.1 D |
| Isopropanol | 3 D |
| M,P-Xylene | 13 D |
| Methyl Ethyl Ketone (2-Butanone) | 2.6 D |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | 1.8 D |
| Methyl Methacrylate | 0.98 D |
| Methylene Chloride | 5.4 D |
| n-Heptane | 1.1 D |
| n-Hexane | 1 D |
| o-Xylene (1,2-Dimethylbenzene) | 3.8 D |
| Propylene | <0.28 U |
| Styrene | 1.3 D |
| Tert-Butyl Methyl Ether | 1 D |
| Tetrachloroethene (PCE) | 42 D |
| Tetrahydrofuran | 5 D |
| Toluene | 52 D |
| Trichloroethene (TCE) | 1.8 D |
| Trichlorofluoromethane | 1.5 D |

| Location | SV01 |
|---|---|
| Sample Name | SV01_061721 |
| Sample Date | 06/17/2021 |
| Sample Type | SV |
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 1.2 D |
| 1,3,5-Trimethylbenzene (Mesitylene) | <0.83 U |
| 2-Hexanone (MBK) | <1.4 U |
| 4-Ethyltoluene | 0.91 D |
| Acetone | 2,000 D |
| Acrylonitrile | <0.36 U |
| Benzene | 1.1 D |
| Bromodichloromethane | 17 D |
| Carbon Disulfide | <0.52 U |
| Carbon Tetrachloride | 4.2 D |
| Chloroform | 1,600 D |
| Chloromethane | 0.49 D |
| Cis-1,2-Dichloroethene | 0.27 D |
| Cyclohexane | 3.6 D |
| Dichlorodifluoromethane | 2.3 D |
| Ethylbenzene | 12 D |
| Isopropanol | 2.7 D |
| M,P-Xylene | 68 D |
| Methyl Ethyl Ketone (2-Butanone) | 2.1 D |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | <0.69 U |
| Methyl Methacrylate | 0.89 D |
| Methylene Chloride | 9.8 D |
| n-Heptane | <0.69 U |
| n-Hexane | <0.59 U |
| o-Xylene (1,2-Dimethylbenzene) | 21 D |
| Propylene | <0.29 U |
| Styrene | <0.72 U |
| Tert-Butyl Methyl Ether | <0.61 U |
| Tetrachloroethene (PCE) | 8.1 D |
| Tetrahydrofuran | 2.1 D |
| Toluene | 5.5 D |
| Trichloroethene (TCE) | 2.1 D |
| Trichlorofluoromethane | 1.1 D |

LEGEND

- SITE BOUNDARY
- SV01 — 2021 PHASE II ESI SOIL VAPOR SAMPLE LOCATION (LANGAN)
- SV09 — APPROXIMATE RI SOIL VAPOR/SUB-SLAB SAMPLE LOCATION
- AA01 — APPROXIMATE RI AMBIENT AIR SAMPLE LOCATION

NOTES

1. SURVEY BASEMAP REFERENCED FROM 6 JANUARY 2023 ALTA SURVEY PREPARED BY LANGAN.
2. RI - REMEDIAL INVESTIGATION
3. CONCENTRATIONS REPORTED IN MILLIGRAMS PER CUBIC METER (µg/m3).
4. VOC - VOLATILE ORGANIC COMPOUND
5. AA - AMBIENT AIR

QUALIFIERS

D - THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE
UJ - THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE REPORTING LIMIT (RL); HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

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SCALE: 1 INCH = 15 FEET

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LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project
SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title
SOIL VAPOR SAMPLE ANALYTICAL RESULTS MAP

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Date 8/6/2024
Drawn By LPG
Checked By JA
Figure No. 6
Sheet 10 of 9

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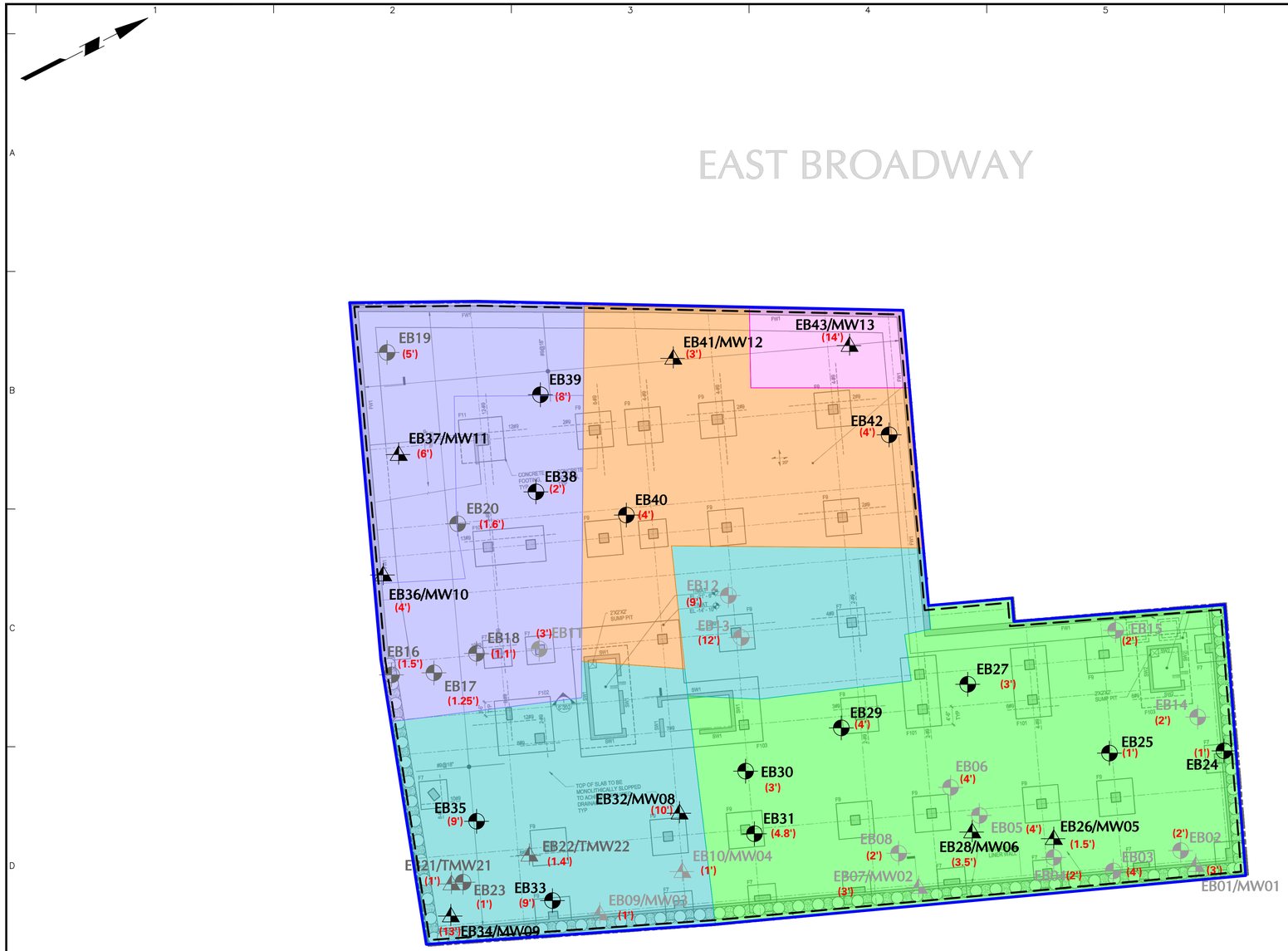


LEGEND

- SITE BOUNDARY
- APPROXIMATE PROPOSED AT-GRADE BUILDING BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- (3') — APPROXIMATE REFUSAL DEPTH DUE TO RESUMED BEDROCK ENCOUNTERED DURING THE PHASE II ESI (LANGAN) OR THE RI (LANGAN)
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 3 FEET BGS (APPROXIMATELY 11 FEET BELOW SIDEWALK GRADE)
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 4 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 5 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 10 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 14 FEET BGS

NOTES

1. FOUNDATION PLAN REFERENCED FROM 17 MAY 2024 ISSUE FOR BID STRUCTURAL DRAWINGS PREPARED BY CETRARUDDY ARCHITECTURE.
2. RI - REMEDIAL INVESTIGATION
3. BGS - BELOW GRADE SURFACE
4. RI SOIL BORING/MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM (GPS) UNIT.
5. 2021 PHASE II ESI - JUNE AND SEPTEMBER 2021 PHASE II ENVIRONMENTAL SITE INVESTIGATION (ESI), PERFORMED BY LANGAN
6. 2023 PHASE II ESI - APRIL 2023 PHASE II ESI, PERFORMED BY LANGAN
7. THE 2021 GEOTECHNICAL MONITORING WELL LOCATION WAS INSTALLED DURING THE 2021 GEOTECHNICAL INVESTIGATION, PERFORMED BY LANGAN.
8. PROPOSED EXCAVATION EXTENTS ARE APPROXIMATE
9. PROPOSED EXCAVATIONS MAY BE SLOPED

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LANGAN
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project: SOUTH MAIN PETROLEUM SITE ASSEMBLAGE
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER NEW YORK

Figure Title: ALTERNATIVE I: TRACK 1 REMEDY

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Figure No. 7

Sheet 7 of 9

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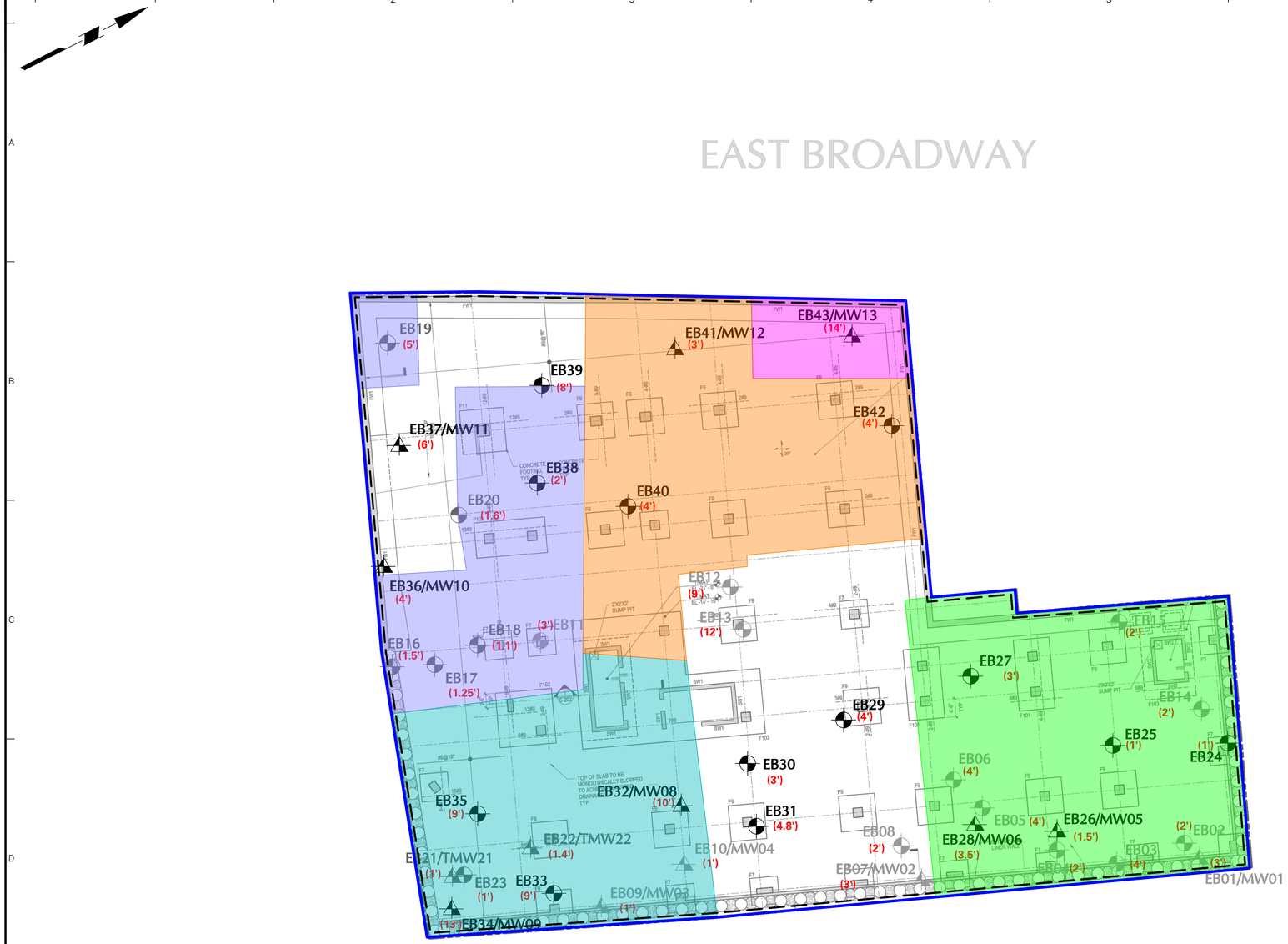


LEGEND

- SITE BOUNDARY
- APPROXIMATE PROPOSED AT-GRADE BUILDING BOUNDARY
- EB02 — 2021 PHASE II ESI SOIL BORING LOCATION
- EB01/MW01 — 2021 PHASE II ESI SOIL BORING/MONITORING WELL LOCATION
- EB02 — 2023 PHASE II ESI SOIL BORING LOCATION
- EB21/TMW21 — 2023 PHASE II ESI SOIL BORING/TEMPORARY MONITORING WELL LOCATION
- EB24 — RI SOIL BORING LOCATION
- EB26/MW05 — RI SOIL BORING/PERMANENT MONITORING WELL LOCATION
- (3') — APPROXIMATE REFUSAL DEPTH DUE TO PRESUMED BEDROCK ENCOUNTERED DURING THE PHASE II ESI (LANGAN) OR THE RI (LANGAN)
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 3 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 4 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 5 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 10 FEET BGS
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION TO 14 FEET BGS

NOTES

1. FOUNDATION PLAN REFERENCED FROM 17 MAY 2024 ISSUE FOR BID STRUCTURAL DRAWINGS PREPARED BY CETRARUDDY ARCHITECTURE.
2. RI - REMEDIAL INVESTIGATION
3. BGS - BELOW GRADE SURFACE
4. RI SOIL BORING/MONITORING WELL LOCATIONS WERE SURVEYED USING A MOBILE GLOBAL POSITIONING SYSTEM (GPS) UNIT.
5. 2021 PHASE II ESI - JUNE AND SEPTEMBER 2021 PHASE II ENVIRONMENTAL SITE INVESTIGATION (ESI), PERFORMED BY LANGAN
6. 2023 PHASE II ESI - APRIL 2023 PHASE II ESI, PERFORMED BY LANGAN
7. PROPOSED EXCAVATION EXTENTS ARE APPROXIMATE
8. PROPOSED EXCAVATIONS MAY BE SLOPED

15 0 3 6 15
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**LANGAN**
Langan Engineering and Environmental Services, Inc.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


| Project | Figure Title | Project No. | Figure No. |
|---|---|---|---|
| SOUTH MAIN PETROLEUM SITE ASSEMBLAGE<br>SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69<br>PORT CHESTER<br>WESTCHESTER NEW YORK | ALTERNATIVE II: TRACK 2 REMEDY | 170653201<br>Date 8/7/2024<br>Drawn By LPG<br>Checked By JA | 8<br>Sheet 8 of 9 |

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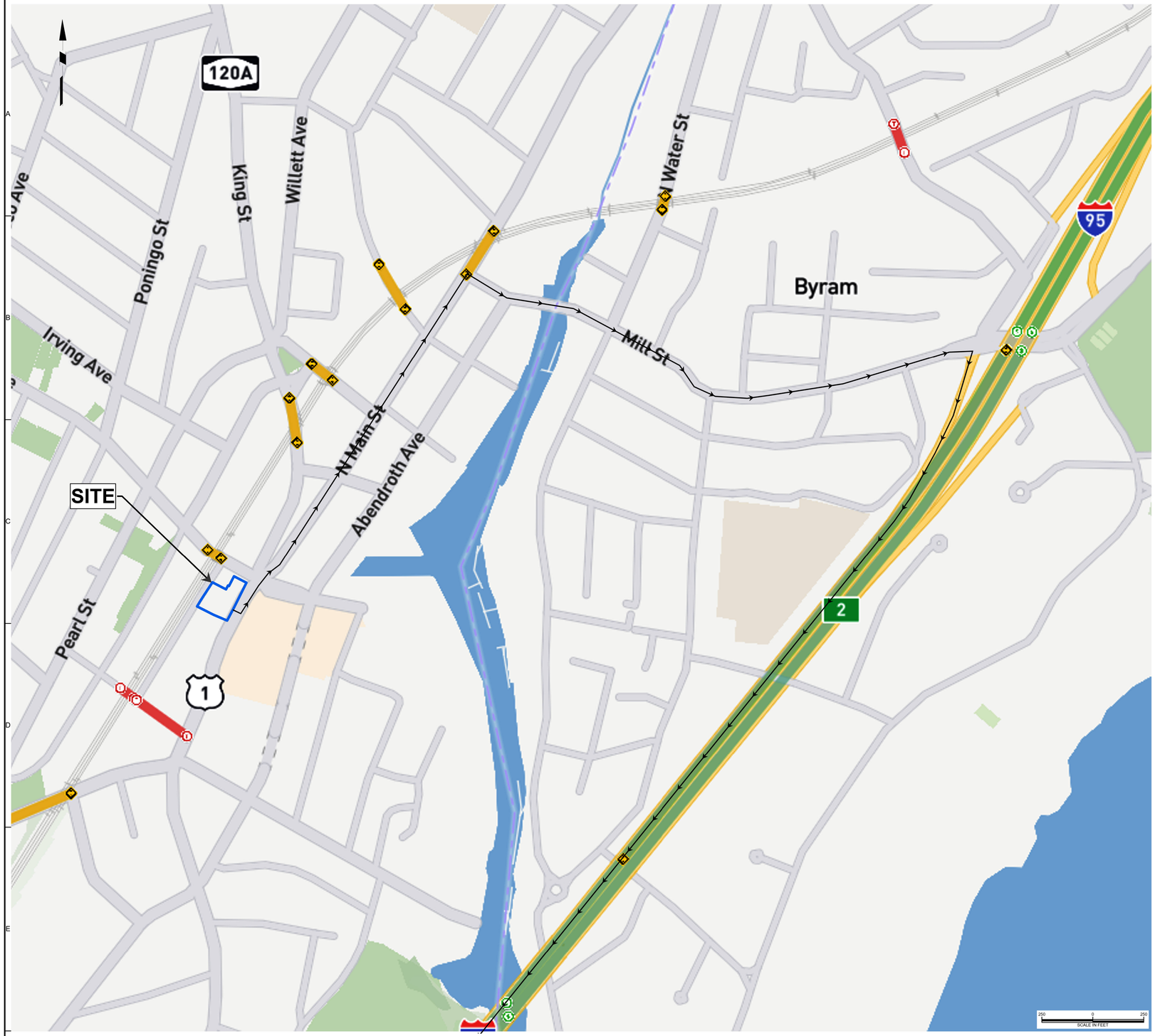


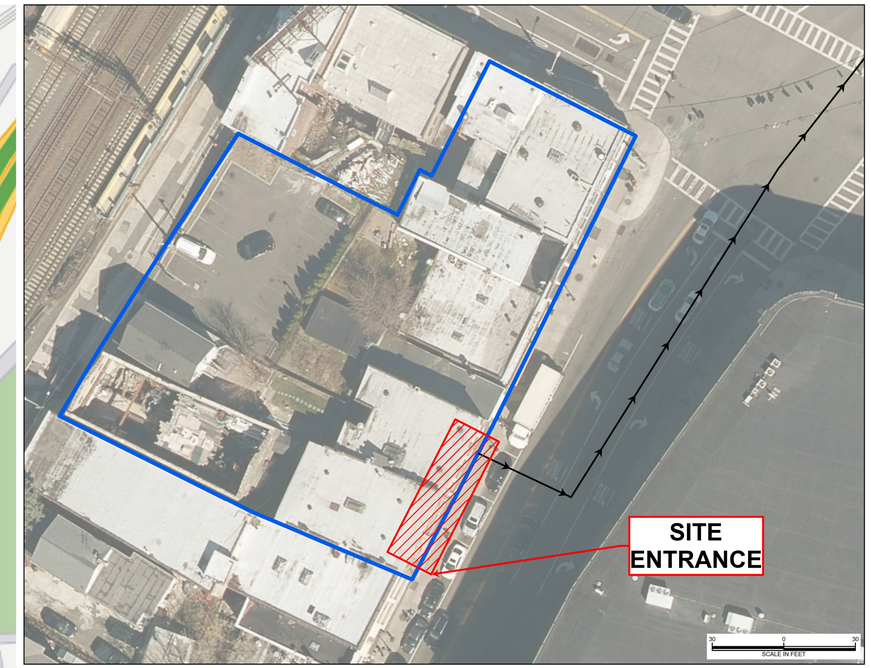


**Legend**

- Site Boundary
- Truck Route
- Toll Road
- Max Height Clearance Road
- Max Weight Limit Road

Notes:
1. Basemap taken from TruckRoute.com.
2. Site entrance location map change based on construction logistics.
3. World aerial imagery basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS Online.


LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com


Project
**SOUTH MAIN PETROLEUM SITE ASSEMBLAGE**
SECTION 142.30, BLOCK No. 2, LOT Nos. 47, 48, 54, 58, and 69
PORT CHESTER
WESTCHESTER COUNTY NEW YORK

Figure Title
**TRUCK ROUTE MAP**

| | |
|---|---|
| Project No. | 170653201 |
| Date | 7/26/2024 |
| Scale | 1" = 250 feet |
| Drawn By | GS |
| Submission Date | |
| Drawing No. | 13 |