

Table 1
Soil Sample Analytical Results Summary
Test Pit Investigation
159 Boerum Street
Brooklyn, New York
Langan Project No. 170552901

| Sample Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs) | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use - Restricted Residential SCOs | TP01 TP01_0-2 L1840425-01 10/5/2018 0-2 | TP01 TP01_4-6 L1840425-02 10/5/2018 4-6 | TP01 TP01_6-7.5 L1840425-03 10/5/2018 6-7.5 | TP02 TP02_2-4 L1840425-04 10/5/2018 2-4 | TP02 TP02_6-8 L1840425-05 10/5/2018 6-8 |
|---|--|--|---|---|---|---|---|
| Volatile Organic Compounds (mg/kg) | | | | | | | |
| Acetone | 0.05 | 100 | 0.01 U | 0.011 U | 0.011 U | 0.01 J | 0.02 |
| Semivolatile Organic Compounds (mg/kg) | | | | | | | |
| 2-Methylnaphthalene | ~ | ~ | 0.074 J | 0.67 | 0.74 J | 0.052 J | 0.21 U |
| 2-Methylphenol (o-Cresol) | 0.33 | 100 | 0.2 U | 0.046 J | 1 U | 0.18 U | 0.18 U |
| 3 & 4 Methylphenol (m&p Cresol) | 0.33 | 100 | 0.036 J | 0.15 J | 0.18 J | 0.27 U | 0.25 U |
| Acenaphthene | 20 | 100 | 0.24 | 1.5 | 1.6 | 0.11 J | 0.018 J |
| Acenaphthylene | 100 | 100 | 0.39 | 2.6 | 2.1 | 0.055 J | 0.14 U |
| Acetophenone | ~ | ~ | 0.026 J | 0.19 U | 1 U | 0.18 U | 0.18 U |
| Anthracene | 100 | 100 | 0.85 | 5 | 6.4 | 0.21 | 0.056 J |
| Benzo(a)Anthracene | 1 | 1 | 3.4 | 11 | 21 | 0.49 | 0.21 |
| Benzo(a)Pyrene | 1 | 1 | 2.9 | 11 | 20 | 0.4 | 0.18 |
| Benzo(b)Fluoranthene | 1 | 1 | 4.3 | 15 | 26 | 0.55 | 0.24 |
| Benzo(g,h,i)Perylene | 100 | 100 | 2.3 | 7 | 11 | 0.26 | 0.12 J |
| Benzo(k)Fluoranthene | 0.8 | 3.9 | 1.5 | 3.9 | 8.9 | 0.18 | 0.078 J |
| Biphenyl (Diphenyl) | ~ | ~ | 0.45 U | 0.17 J | 2.3 U | 0.42 U | 0.4 U |
| Bis(2-Ethylhexyl) Phthalate | ~ | ~ | 0.38 | 0.11 J | 1 U | 0.18 U | 0.18 U |
| Carbazole | ~ | ~ | 0.57 | 2.8 | 2.5 | 0.12 J | 0.048 J |
| Chrysene | 1 | 3.9 | 3.3 | 12 | 20 | 0.47 | 0.2 |
| Dibenz(a,h)Anthracene | 0.33 | 0.33 | 0.51 | 2 | 2.9 | 0.062 J | 0.027 J |
| Dibenzofuran | 7 | 59 | 0.14 J | 1.4 | 1.2 | 0.08 J | 0.18 U |
| Di-N-Butyl Phthalate | ~ | ~ | 0.2 U | 0.069 J | 1 U | 0.18 U | 0.18 U |
| Fluoranthene | 100 | 100 | 6.9 | 28 | 43 | 1.1 | 0.39 |
| Fluorene | 30 | 100 | 0.21 | 1.9 | 2.5 | 0.12 J | 0.017 J |
| Indeno(1,2,3-c,d)Pyrene | 0.5 | 0.5 | 2.4 | 7.1 | 12 | 0.27 | 0.13 J |
| Naphthalene | 12 | 100 | 0.16 J | 1.4 | 1.3 | 0.11 J | 0.18 U |
| n-Nitrosodiphenylamine | ~ | ~ | 0.16 U | 0.16 U | 0.12 J | 0.15 U | 0.14 U |
| Phenanthrene | 100 | 100 | 3.7 | 21 | 24 | 1 | 0.23 |
| Phenol | 0.33 | 100 | 0.033 J | 0.12 J | 1 U | 0.18 U | 0.18 U |
| Pyrene | 100 | 100 | 5.8 | 22 | 35 | 0.88 | 0.34 |
| Pesticides (mg/kg) | | | | | | | |
| 4,4'-DDD | 0.0033 | 13 | 0.00781 PI | 0.0601 P | 0.151 | 0.00261 | 0.000883 J |
| 4,4'-DDE | 0.0033 | 8.9 | 0.0273 | 0.128 | 0.0852 | 0.00988 | 0.00445 |
| 4,4'-DDT | 0.0033 | 7.9 | 0.13 | 0.541 | 0.128 | 0.0235 | 0.00593 |
| Alpha Chlordane | 0.094 | 4.2 | 0.0169 | 0.0406 | 0.0296 | 0.00227 | 0.000974 J |
| Beta Endosulfan | 2.4 | 24 | 0.00741 PI | 0.00388 PI | 0.00299 PI | 0.00174 U | 0.00164 U |
| Chlordane | ~ | ~ | 0.216 PI | 0.497 P | 0.371 | 0.0303 P | 0.0134 U |
| Delta Bhc (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.00179 J | 0.00262 | 0.000653 JPI | 0.00174 U | 0.00164 U |
| Dieldrin | 0.005 | 0.2 | 0.00118 U | 0.0464 | 0.0544 P | 0.00401 | 0.00101 J |
| Endosulfan Sulfate | 2.4 | 24 | 0.00079 U | 0.000778 U | 0.000797 U | 0.000575 J | 0.000539 J |
| Gamma Chlordane | ~ | ~ | 0.0155 | 0.0327 P | 0.0229 | 0.0019 J | 0.000794 JPI |
| Heptachlor Epoxide | ~ | ~ | 0.007 | 0.00336 JPI | 0.0131 | 0.00327 U | 0.00308 U |
| Polychlorinated Biphenyl (mg/kg) | | | | | | | |
| PCB-1254 (Aroclor 1254) | ~ | ~ | 0.117 | 0.0424 | 0.0874 | 0.00583 J | 0.00382 J |
| PCB-1260 (Aroclor 1260) | ~ | ~ | 0.039 U | 0.0373 U | 0.0714 | 0.00737 J | 0.0347 U |
| Total PCBs | 0.1 | 1 | 0.117 | 0.0424 | 0.159 | 0.0132 J | 0.00382 J |
| Inorganics (mg/kg) | | | | | | | |
| Aluminum | ~ | ~ | 5790 | 5770 | 3480 | 10000 | 5860 |
| Antimony | ~ | ~ | 1.92 J | 4.35 J | 2.6 J | 2.13 J | 1.22 J |
| Arsenic | 13 | 16 | 5.71 | 8.32 | 4.88 | 1.39 | 2.19 |
| Barium | 350 | 400 | 479 | 624 | 586 | 157 | 70.2 |
| Beryllium | 7.2 | 72 | 0.287 J | 0.38 J | 0.184 J | 1.3 | 0.568 |
| Cadmium | 2.5 | 4.3 | 0.986 | 5.98 | 1.4 | 0.384 J | 0.502 J |
| Calcium | ~ | ~ | 8740 | 21200 | 21200 | 3240 | 2500 |
| Chromium, Total | ~ | ~ | 15.5 | 41 | 11.1 | 22 | 18.3 |
| Cobalt | ~ | ~ | 4.82 | 6.68 | 3.99 | 12.7 | 8.29 |
| Copper | 50 | 270 | 34.7 | 46.7 | 36.6 | 31.5 | 27.2 |
| Iron | ~ | ~ | 15600 | 29300 | 10700 | 21300 | 18300 |
| Lead | 63 | 400 | 446 | 900 | 700 | 76.2 | 48.2 |
| Magnesium | ~ | ~ | 1790 | 1890 | 1450 | 5820 | 2530 |
| Manganese | 1600 | 2000 | 229 | 346 | 217 | 180 | 310 |
| Mercury | 0.18 | 0.81 | 0.945 | 0.85 | 0.556 | 0.232 | 0.509 |
| Nickel | 30 | 310 | 11.7 | 13.1 | 8.57 | 21.5 | 12.4 |
| Potassium | ~ | ~ | 644 | 544 | 360 | 7440 | 2290 |
| Selenium | 3.9 | 180 | 0.517 J | 0.705 J | 0.688 J | 0.515 J | 0.37 J |
| Silver | 2 | 180 | 0.287 J | 0.418 J | 0.281 J | 0.873 U | 0.823 U |
| Sodium | ~ | ~ | 101 J | 154 J | 89.9 J | 77.7 J | 47.6 J |
| Vanadium | ~ | ~ | 20.6 | 30.7 | 17.1 | 28.6 | 27.3 |
| Zinc | 109 | 10000 | 403 | 863 | 558 | 106 | 171 |
| General Chemistry (mg/kg) | | | | | | | |
| Total Solids | ~ | ~ | 83 | 84.8 | 82.4 | 89.8 | 92.8 |

Notes:

- Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
- Compounds detected above Unrestricted Use SCOs are bolded.
- Compounds detected above Restricted Use Restricted-Residential SCOs are shaded and bolded.
- Compounds with reporting limits (RL) above the Unrestricted Use are italicized.
- ~ = Criterion does not exist
- bgs = below grade surface
- mg/kg = milligram per kilogram
- NA = Not Analyzed

Qualifiers:

- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
I = The lower value for the two columns has been reported due to obvious interference.
P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.