

## Report of Analysis

|                    |                                       |                 |                              |
|--------------------|---------------------------------------|-----------------|------------------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected: | 01/30/25                     |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:  | 01/30/25                     |
| Client Sample ID:  | 357MSD                                | SDG No.:        | Q1242                        |
| Lab Sample ID:     | Q1239-10MSD                           | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                                | % Solid:        | 84.8                         |
| Sample Wt/Vol:     | 50.03      Units:    g                | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                     | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0                   | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                                |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141346.D        | 1         | 01/31/25 10:20 | 01/31/25 21:50 | PB166418      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 1100  |           | 130  | 230        | ug/Kg             |
| 108-95-2       | Phenol                      | 920   |           | 58.6 | 120        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 940   |           | 59.2 | 120        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 950   |           | 59.0 | 120        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 900   |           | 57.0 | 120        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 920   |           | 64.3 | 120        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1100  |           | 61.4 | 120        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 970   |           | 56.4 | 230        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 940   |           | 28.5 | 56.6       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 910   |           | 58.7 | 120        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 910   |           | 64.2 | 120        | ug/Kg             |
| 78-59-1        | Isophorone                  | 960   |           | 59.8 | 120        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 970   |           | 66.8 | 120        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1200  |           | 65.9 | 120        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 950   |           | 60.7 | 120        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 950   |           | 53.4 | 120        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 900   |           | 58.4 | 120        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 240   |           | 58.4 | 120        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 890   |           | 58.9 | 120        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1100  |           | 61.4 | 230        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 930   |           | 54.8 | 120        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 890   |           | 58.3 | 120        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 3400  | E         | 110  | 230        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 970   |           | 50.5 | 120        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 950   |           | 52.3 | 120        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1000  |           | 61.8 | 120        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 900   |           | 58.9 | 120        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 950   |           | 67.2 | 120        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 970   |           | 57.8 | 120        | ug/Kg             |

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| Client Sample ID:  | 357MSD                                | SDG No.:        | Q1242                        |
| Lab Sample ID:     | Q1239-10MSD                           | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                                | % Solid:        | 84.8                         |
| Sample Wt/Vol:     | 50.03      Units:    g                | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                     | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0                   | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                                |                 |                              |

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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141346.D        | 1         | 01/31/25 10:20 | 01/31/25 21:50 | PB166418      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 990   |           | 61.2 | 120        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 910   |           | 58.8 | 120        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 550   |           | 63.1 | 120        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1000  |           | 57.3 | 120        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2300  | E         | 170  | 230        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 1700  |           | 82.0 | 230        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 920   |           | 59.7 | 120        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 930   |           | 61.0 | 120        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 950   |           | 56.6 | 120        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 900   |           | 60.5 | 120        | ug/Kg             |
| 86-73-7    | Fluorene                   | 900   |           | 60.5 | 120        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 870   |           | 75.7 | 120        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1200  |           | 82.7 | 230        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1100  |           | 57.7 | 120        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1000  |           | 55.8 | 120        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 990   |           | 60.1 | 120        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1100  |           | 64.6 | 120        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2000  | E         | 54.7 | 230        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1000  |           | 59.4 | 120        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1000  |           | 59.7 | 120        | ug/Kg             |
| 86-74-8    | Carbazole                  | 920   |           | 56.8 | 120        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1000  |           | 59.6 | 120        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 920   |           | 57.8 | 120        | ug/Kg             |
| 129-00-0   | Pyrene                     | 810   |           | 58.7 | 120        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 930   |           | 68.4 | 120        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 750   |           | 69.7 | 230        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 930   |           | 57.1 | 120        | ug/Kg             |
| 218-01-9   | Chrysene                   | 980   |           | 56.2 | 120        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 970   |           | 64.3 | 120        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1100  |           | 77.8 | 230        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 990   |           | 57.3 | 120        | ug/Kg             |

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| Soil Aliquot Vol:  | uL                                    | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                                |                 |                  |

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|---------------------------|----------------------------|--------|-----------|----------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1100   |           | 58.4     | 120        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1100   |           | 65.8     | 120        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 770    |           | 55.2     | 120        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 780    |           | 57.4     | 120        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 690    |           | 56.6     | 120        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1000   |           | 61.4     | 120        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 950    |           | 77.8     | 120        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1000   |           | 52.8     | 120        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |          |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 84.0   |           | 18 - 112 | 56%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 82.0   |           | 15 - 107 | 55%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 57.9   |           | 18 - 107 | 58%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 55.5   |           | 20 - 109 | 55%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 84.1   |           | 10 - 116 | 56%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 49.7   |           | 10 - 105 | 50%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 149000 | 6.798     |          |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 588000 | 8.081     |          |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 309000 | 9.839     |          |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 457000 | 11.322    |          |            |                   |
| 1719-03-5                 | Chrysene-d12               | 288000 | 13.968    |          |            |                   |
| 1520-96-3                 | Perylene-d12               | 294000 | 15.421    |          |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products