

## Report of Analysis

|                    |                                       |                 |                  |
|--------------------|---------------------------------------|-----------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected: | 01/29/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:  | 01/30/25         |
| Client Sample ID:  | JPP-42.2-012925DL                     | SDG No.:        | Q1232            |
| Lab Sample ID:     | Q1232-15DL                            | Matrix:         | SOIL             |
| Analytical Method: | SW8270                                | % Solid:        | 93.2             |
| Sample Wt/Vol:     | 30.09 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 |
| BF141547.D        | 5         | 01/31/25 10:20 | 02/10/25 20:45 | PB166418      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|-----|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |     |            |                   |
| 100-52-7       | Benzaldehyde                | 1800  | UD        | 970 | 1800       | ug/Kg             |
| 108-95-2       | Phenol                      | 910   | UD        | 440 | 910        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 910   | UD        | 450 | 910        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 910   | UD        | 450 | 910        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 910   | UD        | 430 | 910        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 910   | UD        | 490 | 910        | ug/Kg             |
| 98-86-2        | Acetophenone                | 910   | UDQ       | 460 | 910        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1800  | UD        | 430 | 1800       | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 430   | UD        | 220 | 430        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 910   | UD        | 440 | 910        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 910   | UD        | 490 | 910        | ug/Kg             |
| 78-59-1        | Isophorone                  | 910   | UD        | 450 | 910        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 910   | UD        | 510 | 910        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 910   | UD        | 500 | 910        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 910   | UD        | 460 | 910        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 910   | UD        | 400 | 910        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 910   | UD        | 440 | 910        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 910   | UD        | 440 | 910        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 910   | UD        | 450 | 910        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1800  | UD        | 460 | 1800       | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 910   | UD        | 410 | 910        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 910   | UD        | 440 | 910        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 1800  | UDQ       | 830 | 1800       | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 910   | UD        | 380 | 910        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 910   | UD        | 400 | 910        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 910   | UD        | 470 | 910        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 910   | UD        | 450 | 910        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 910   | UD        | 510 | 910        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 910   | UD        | 440 | 910        | ug/Kg             |

## Report of Analysis

|                    |                                       |                 |                              |
|--------------------|---------------------------------------|-----------------|------------------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected: | 01/29/25                     |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:  | 01/30/25                     |
| Client Sample ID:  | JPP-42.2-012925DL                     | SDG No.:        | Q1232                        |
| Lab Sample ID:     | Q1232-15DL                            | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                                | % Solid:        | 93.2                         |
| Sample Wt/Vol:     | 30.09      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 |
| BF141547.D        | 5         | 01/31/25 10:20 | 02/10/25 20:45 | PB166418      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 910   | UD        | 460  | 910        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 910   | UD        | 450  | 910        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 910   | UD        | 480  | 910        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 910   | UD        | 430  | 910        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 1800  | UD        | 1300 | 1800       | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 1800  | UD        | 620  | 1800       | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 910   | UD        | 450  | 910        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 910   | UD        | 460  | 910        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 910   | UD        | 430  | 910        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 910   | UD        | 460  | 910        | ug/Kg             |
| 86-73-7    | Fluorene                   | 910   | UD        | 460  | 910        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 910   | UD        | 570  | 910        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1800  | UD        | 630  | 1800       | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 910   | UD        | 440  | 910        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 910   | UD        | 420  | 910        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 910   | UD        | 450  | 910        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 910   | UD        | 490  | 910        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1800  | UD        | 410  | 1800       | ug/Kg             |
| 85-01-8    | Phenanthrene               | 2300  | D         | 450  | 910        | ug/Kg             |
| 120-12-7   | Anthracene                 | 760   | JD        | 450  | 910        | ug/Kg             |
| 86-74-8    | Carbazole                  | 910   | UD        | 430  | 910        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 910   | UD        | 450  | 910        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 4600  | D         | 440  | 910        | ug/Kg             |
| 129-00-0   | Pyrene                     | 3700  | D         | 440  | 910        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 910   | UD        | 520  | 910        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1800  | UD        | 530  | 1800       | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 2800  | D         | 430  | 910        | ug/Kg             |
| 218-01-9   | Chrysene                   | 2400  | D         | 430  | 910        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 910   | UD        | 490  | 910        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1800  | UD        | 590  | 1800       | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 3300  | D         | 430  | 910        | ug/Kg             |

## Report of Analysis

|                    |                                       |                 |                  |
|--------------------|---------------------------------------|-----------------|------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected: | 01/29/25         |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:  | 01/30/25         |
| Client Sample ID:  | JPP-42.2-012925DL                     | SDG No.:        | Q1232            |
| Lab Sample ID:     | Q1232-15DL                            | Matrix:         | SOIL             |
| Analytical Method: | SW8270                                | % Solid:        | 93.2             |
| Sample Wt/Vol:     | 30.09 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 |
| BF141547.D        | 5         | 01/31/25 10:20 | 02/10/25 20:45 | PB166418      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 1500  | D         | 440 | 910        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 3100  | D         | 500 | 910        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1300  | D         | 420 | 910        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 910   | UD        | 430 | 910        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 1400  | D         | 430 | 910        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 910   | UD        | 460 | 910        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 910   | UD        | 590 | 910        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 910   | UD        | 400 | 910        | ug/Kg             |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 67.9 |  | 18 - 112 | 45% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 78.0 |  | 15 - 107 | 52% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 54.7 |  | 18 - 107 | 55% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 65.0 |  | 20 - 109 | 65% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 22.2 |  | 10 - 116 | 15% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 48.4 |  | 10 - 105 | 48% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 73500  | 6.787  |
| 1146-65-2  | Naphthalene-d8         | 290000 | 8.069  |
| 15067-26-2 | Acenaphthene-d10       | 147000 | 9.822  |
| 1517-22-2  | Phenanthrene-d10       | 203000 | 11.31  |
| 1719-03-5  | Chrysene-d12           | 173000 | 13.951 |
| 1520-96-3  | Perylene-d12           | 151000 | 15.404 |

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