

## Report of Analysis

|                    |                                       |           |                 |              |    |
|--------------------|---------------------------------------|-----------|-----------------|--------------|----|
| Client:            | RU2 Engineering, LLC                  |           | Date Collected: | 01/27/25     |    |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR |           | Date Received:  | 01/28/25     |    |
| Client Sample ID:  | JPP-20.2-012725                       |           | SDG No.:        | Q1207        |    |
| Lab Sample ID:     | Q1207-17                              |           | Matrix:         | SOIL         |    |
| Analytical Method: | SW8260                                |           | % Solid:        | 88.1         |    |
| Sample Wt/Vol:     | 5.1                                   | Units: g  | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                                       | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624                               | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                                       |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021051.D        | 1         |           | 02/04/25 12:19 | VY020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 5.60  | U         | 1.80 | 5.60       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 5.60  | U         | 1.30 | 5.60       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 5.60  | U         | 0.86 | 5.60       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 5.60  | U         | 1.10 | 5.60       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 5.60  | U         | 1.10 | 5.60       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 5.60  | U         | 1.00 | 5.60       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.60  | U         | 1.20 | 5.60       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol             | 27.8  | U         | 17.4 | 27.8       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 5.60  | U         | 0.87 | 5.60       | ug/Kg             |
| 67-64-1        | Acetone                        | 27.8  | U         | 6.90 | 27.8       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 5.60  | U         | 1.40 | 5.60       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.60  | U         | 0.75 | 5.60       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 5.60  | U         | 2.00 | 5.60       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 11.1  | U         | 3.80 | 11.1       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.60  | U         | 0.93 | 5.60       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 5.60  | U         | 0.70 | 5.60       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 5.60  | U         | 0.77 | 5.60       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 27.8  | U         | 6.30 | 27.8       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 5.60  | U         | 0.97 | 5.60       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.60  | U         | 0.68 | 5.60       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 5.60  | U         | 2.70 | 5.60       | ug/Kg             |
| 67-66-3        | Chloroform                     | 5.60  | U         | 0.75 | 5.60       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.60  | U         | 0.87 | 5.60       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 5.60  | U         | 0.97 | 5.60       | ug/Kg             |
| 71-43-2        | Benzene                        | 5.60  | U         | 0.80 | 5.60       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 5.60  | U         | 0.68 | 5.60       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 5.60  | U         | 0.83 | 5.60       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 5.60  | U         | 0.73 | 5.60       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 5.60  | U         | 0.62 | 5.60       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 27.8  | U         | 4.80 | 27.8       | ug/Kg             |

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| Lab Sample ID:     | Q1207-17                              | Matrix:         | SOIL         |
| Analytical Method: | SW8260                                | % Solid:        | 88.1         |
| Sample Wt/Vol:     | 5.1      Units:    g                  | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                    | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624      ID :    0.25             | Level :         | LOW          |
| Prep Method :      |                                       |                 |              |

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| VY021051.D        | 1         |           | 02/04/25 12:19 | VY020425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|----------|------------|-------------------|
| 108-88-3                  | Toluene                     | 5.60   | U         | 0.75     | 5.60       | ug/Kg             |
| 10061-02-6                | t-1,3-Dichloropropene       | 5.60   | U         | 0.67     | 5.60       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 5.60   | U         | 0.63     | 5.60       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 5.60   | U         | 0.93     | 5.60       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 27.8   | U         | 5.30     | 27.8       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 5.60   | U         | 0.72     | 5.60       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 5.60   | U         | 0.88     | 5.60       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 5.60   | U         | 0.99     | 5.60       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 5.60   | U         | 0.82     | 5.60       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 5.60   | U         | 0.69     | 5.60       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 11.1   | U         | 1.50     | 11.1       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 5.60   | U         | 0.78     | 5.60       | ug/Kg             |
| 100-42-5                  | Styrene                     | 5.60   | U         | 0.67     | 5.60       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 5.60   | U         | 0.90     | 5.60       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 5.60   | U         | 0.75     | 5.60       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 5.60   | U         | 1.20     | 5.60       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 5.60   | U         | 0.82     | 5.60       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 5.60   | U         | 0.89     | 5.60       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 5.60   | U         | 0.66     | 5.60       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.60   | U         | 1.70     | 5.60       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.60   | U         | 0.88     | 5.60       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 5.60   | U         | 0.87     | 5.60       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 61.0   |           | 50 - 163 | 122%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 52.0   |           | 54 - 147 | 104%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 49.7   |           | 58 - 134 | 99%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.6   |           | 29 - 146 | 97%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 167000 | 7.707     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 314000 | 8.616     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 289000 | 11.414    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 117000 | 13.346    |          |            |                   |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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