

## 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:  | JPP-6.2-013025                        |           | SDG No.:        | Q1242        |    |
| Lab Sample ID:     | Q1242-01                              |           | Matrix:         | SOIL         |    |
| Analytical Method: | SW8260                                |           | % Solid:        | 81.5         |    |
| Sample Wt/Vol:     | 9.58                                  | 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 |
| VY021068.D        | 1         |           | 02/04/25 18:57 | VY020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 3.20  | U         | 1.10 | 3.20       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 3.20  | U         | 0.74 | 3.20       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 3.20  | U         | 0.49 | 3.20       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 3.20  | U         | 0.66 | 3.20       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 3.20  | U         | 0.65 | 3.20       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 3.20  | U         | 0.58 | 3.20       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.20  | U         | 0.69 | 3.20       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol             | 16.0  | U         | 10.0 | 16.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 3.20  | U         | 0.50 | 3.20       | ug/Kg             |
| 67-64-1        | Acetone                        | 16.4  |           | 4.00 | 16.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 2.20  | J         | 0.82 | 3.20       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 3.20  | U         | 0.43 | 3.20       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 3.20  | U         | 1.20 | 3.20       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 6.40  | U         | 2.20 | 6.40       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 3.20  | U         | 0.54 | 3.20       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 3.20  | U         | 0.40 | 3.20       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 3.20  | U         | 0.44 | 3.20       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 16.0  | U         | 3.60 | 16.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 3.20  | U         | 0.56 | 3.20       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.20  | U         | 0.39 | 3.20       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 3.20  | U         | 1.50 | 3.20       | ug/Kg             |
| 67-66-3        | Chloroform                     | 3.20  | U         | 0.43 | 3.20       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 3.20  | U         | 0.50 | 3.20       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 3.20  | U         | 0.56 | 3.20       | ug/Kg             |
| 71-43-2        | Benzene                        | 3.20  | U         | 0.46 | 3.20       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 3.20  | U         | 0.39 | 3.20       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 3.20  | U         | 0.48 | 3.20       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 3.20  | U         | 0.42 | 3.20       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 3.20  | U         | 0.36 | 3.20       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 16.0  | U         | 2.80 | 16.0       | ug/Kg             |

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| VY021068.D        | 1         |           | 02/04/25 18:57 | VY020425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|----------|------------|-------------------|
| 108-88-3                  | Toluene                     | 3.70   |           | 0.43     | 3.20       | ug/Kg             |
| 10061-02-6                | t-1,3-Dichloropropene       | 3.20   | U         | 0.38     | 3.20       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 3.20   | U         | 0.37     | 3.20       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 3.20   | U         | 0.54     | 3.20       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 16.0   | U         | 3.10     | 16.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 3.20   | U         | 0.42     | 3.20       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 3.20   | U         | 0.51     | 3.20       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 3.20   | U         | 0.57     | 3.20       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 3.20   | U         | 0.47     | 3.20       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 3.20   | U         | 0.40     | 3.20       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 6.40   | U         | 0.86     | 6.40       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 3.20   | U         | 0.45     | 3.20       | ug/Kg             |
| 100-42-5                  | Styrene                     | 3.20   | U         | 0.38     | 3.20       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 3.20   | U         | 0.52     | 3.20       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 1.50   | J         | 0.43     | 3.20       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 3.20   | U         | 0.70     | 3.20       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 3.20   | U         | 0.47     | 3.20       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 3.20   | U         | 0.51     | 3.20       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 3.20   | U         | 0.38     | 3.20       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 3.20   | U         | 1.00     | 3.20       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.20   | U         | 0.51     | 3.20       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20   | U         | 0.50     | 3.20       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 59.6   |           | 50 - 163 | 119%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 37.4   |           | 54 - 147 | 75%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 49.6   |           | 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          | 137000 | 7.707     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 244000 | 8.616     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 215000 | 11.414    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 86800  | 13.347    |          |            |                   |

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|---------------------------------------|--------------------|-------|-----------|-----|------------|-------------------|
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                    |       |           |     |            |                   |
| 000127-91-3                           | .beta.-Pinene      | 5.00  | J         |     | 12.8       | ug/Kg             |
| 99-87-6                               | p-Isopropyltoluene | 8.60  | J         |     | 13.3       | ug/Kg             |

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