284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# 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-51.2-012925 | SDG No.: | Q1235 |
| Lab Sample ID: | Q1235-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.2 |
| Sample Wt/Vol: | 9.09 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 |
|---|---|---|---|---|
| VY021061.D | 1 | | 02/04/25 16:13 | VY020425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 3.00 | U | 1.00 | 3.00 | ug/Kg |
| 74-87-3 | Chloromethane | 3.00 | U | 0.70 | 3.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 3.00 | U | 0.46 | 3.00 | ug/Kg |
| 74-83-9 | Bromomethane | 3.00 | U | 0.62 | 3.00 | ug/Kg |
| 75-00-3 | Chloroethane | 3.00 | U | 0.61 | 3.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 3.00 | U | 0.55 | 3.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 3.00 | U | 0.65 | 3.00 | ug/Kg |
| 75-65-0 | Tert butyl alcohol | 15.1 | U | 9.40 | 15.1 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 3.00 | U | 0.47 | 3.00 | ug/Kg |
| 67-64-1 | Acetone | 15.6 | | 3.80 | 15.1 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 3.00 | U | 0.77 | 3.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 3.00 | U | 0.40 | 3.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 3.00 | U | 1.10 | 3.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 6.00 | U | 2.10 | 6.00 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 3.00 | U | 0.51 | 3.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 3.00 | U | 0.38 | 3.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 3.00 | U | 0.42 | 3.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 15.1 | U | 3.40 | 15.1 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 3.00 | U | 0.52 | 3.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 3.00 | U | 0.37 | 3.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 3.00 | U | 1.50 | 3.00 | ug/Kg |
| 67-66-3 | Chloroform | 3.00 | U | 0.40 | 3.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 3.00 | U | 0.47 | 3.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 3.00 | U | 0.52 | 3.00 | ug/Kg |
| 71-43-2 | Benzene | 3.00 | U | 0.43 | 3.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 3.00 | U | 0.37 | 3.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 3.00 | U | 0.45 | 3.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 3.00 | U | 0.40 | 3.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 3.00 | U | 0.34 | 3.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 15.1 | U | 2.60 | 15.1 | ug/Kg |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 3.00 | U | 0.40 | 3.00 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 3.00 | U | 0.36 | 3.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 3.00 | U | 0.34 | 3.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 3.00 | U | 0.51 | 3.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 15.1 | U | 2.90 | 15.1 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 3.00 | U | 0.39 | 3.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 3.00 | U | 0.48 | 3.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 3.00 | U | 0.54 | 3.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 3.00 | U | 0.45 | 3.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 3.00 | U | 0.37 | 3.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 6.00 | U | 0.81 | 6.00 | ug/Kg |
| 95-47-6 | o-Xylene | 3.00 | U | 0.42 | 3.00 | ug/Kg |
| 100-42-5 | Styrene | 3.00 | U | 0.36 | 3.00 | ug/Kg |
| 75-25-2 | Bromoform | 3.00 | U | 0.49 | 3.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 3.00 | U | 0.40 | 3.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 3.00 | U | 0.66 | 3.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 3.00 | U | 0.45 | 3.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 3.00 | U | 0.48 | 3.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 3.00 | U | 0.36 | 3.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 3.00 | U | 0.94 | 3.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.00 | U | 0.48 | 3.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.00 | U | 0.47 | 3.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 64.2 | | 50 - 163 | 128% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 39.5 | | 54 - 147 | 79% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.4 | | 58 - 134 | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.2 | | 29 - 146 | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 149000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 281000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 265000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 112000 | 13.346 | | | |

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|---|---|---|---|---|---|---|
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.95 | J | | 13.0 | ug/Kg |
| 91-20-3 | Naphthalene | 6.50 | J | | 15.1 | 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