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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Main of New York, Inc. | Date Collected: | 12/12/24 |
| Project: | Con Edison Non-MGP - Atlantic Avenue | Date Received: | 12/13/24 |
| Client Sample ID: | MW12-20241212 | SDG No.: | P5270 |
| Lab Sample ID: | P5270-07 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | 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 |
|---|---|---|---|---|
| VN085200.D | 1 | | 12/13/24 16:39 | VN121324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.21 | UQ | 0.21 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.34 | U | 0.34 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | UQ | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.56 | U | 0.56 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.34 | U | 0.34 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.26 | U | 0.26 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.32 | U | 0.32 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.60 | U | 0.60 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.32 | U | 0.32 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.60 | U | 1.60 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 1.30 | U | 1.30 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.26 | U | 0.26 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 28.9 | | 0.19 | 1.00 | ug/L |
| 71-43-2 | Benzene | 4.60 | | 0.16 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.24 | U | 0.24 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.56 | J | 0.32 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.24 | U | 0.24 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.75 | U | 0.75 | 5.00 | ug/L |
| 108-88-3 | Toluene | 2.40 | | 0.18 | 1.00 | ug/L |

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| Project: | Con Edison Non-MGP - Atlantic Avenue | Date Received: | 12/13/24 |
| Client Sample ID: | MW12-20241212 | SDG No.: | P5270 |
| Lab Sample ID: | P5270-07 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | 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 |
|---|---|---|---|---|
| VN085200.D | 1 | | 12/13/24 16:39 | VN121324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.21 | U | 0.21 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.18 | U | 0.18 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 1.10 | U | 1.10 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | UQ | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.16 | UQ | 0.16 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 300 | E | 0.16 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 16.5 | | 0.31 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 15.6 | | 0.14 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.21 | UQ | 0.21 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 95.2 | | 0.13 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.27 | U | 0.27 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.24 | U | 0.24 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.27 | U | 0.27 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.46 | U | 0.46 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.42 | U | 0.42 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.51 | U | 0.51 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.7 | | 74 - 125 | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.0 | | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.1 | | 86 - 113 | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.6 | | 77 - 121 | 109% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 145000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 256000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 240000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 114000 | 13.788 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
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|---|---|---|---|---|
| VN085200.D | 1 | | 12/13/24 16:39 | VN121324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 007446-09-5 | Sulfur dioxide | 58.9 | J | | 2.32 | ug/L |
| 103-65-1 | n-propylbenzene | 110 | J | | 13.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 40.5 | J | | 13.2 | ug/L |
| 000611-14-3 | Benzene, 1-ethyl-2-methyl- | 37.2 | J | | 13.3 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 350 | J | | 13.5 | ug/L |
| 135-98-8 | sec-Butylbenzene | 4.70 | J | | 13.6 | ug/L |
| 99-87-6 | p-Isopropyltoluene | 9.60 | J | | 13.7 | ug/L |
| 000496-11-7 | Indane | 140 | J | | 14.0 | ug/L |
| 104-51-8 | n-Butylbenzene | 11.1 | J | | 14.1 | ug/L |
| 007525-62-4 | Benzene, 1-ethenyl-3-ethyl- | 66.9 | J | | 14.4 | ug/L |
| 002039-89-6 | Benzene, 2-ethenyl-1,4-dimethyl- | 41.3 | J | | 14.9 | ug/L |
| 000095-93-2 | Benzene, 1,2,4,5-tetramethyl- | 52.0 | J | | 15.0 | ug/L |
| 065051-83-4 | Benzene, (1-methyl-2-cyclopropen-1 | 32.0 | J | | 15.1 | ug/L |
| 002177-47-1 | 2-Methylindene | 87.2 | J | | 15.2 | ug/L |

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