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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Langan Engineering and Environmental Services, Inc | Date Collected: | |
| Project: | Con Edison Richmond Terrace | Date Received: | |
| Client Sample ID: | VY1010SBS01 | SDG No.: | Q3323 |
| Lab Sample ID: | VY1010SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023426.D | 1 | 10/10/25 09:54 | VY101025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 22.2 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 20.4 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 21.1 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 21.3 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 21.6 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 20.8 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 21.8 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 20.6 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 110 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 21.3 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 18.1 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 14.3 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 19.7 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 21.1 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 21.1 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 20.1 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 96.9 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 21.4 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 20.9 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 20.3 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 21.3 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 21.2 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 20.7 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 21.4 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 19.6 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 20.9 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 20.8 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 20.7 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 82.1 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 21.6 | | 0.78 | 5.00 | ug/Kg |

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| VY023426.D | 1 | 10/10/25 09:54 | VY101025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 19.3 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.5 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 19.2 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 90.7 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 19.8 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 19.0 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 20.7 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 20.6 | | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 20.8 | | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 43.0 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 20.6 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 20.5 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 18.1 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 21.2 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.2 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 20.8 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 20.6 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 20.3 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 15.7 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.2 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.4 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.7 | | 63 - 155 | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 70 - 134 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 74 - 123 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.3 | | 17 - 146 | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 543000 | 7.713 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 800000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 702000 | 11.42 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 364000 | 13.346 | | | |

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|---|---|---|---|---|---|---|

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