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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/01/25 |
| Project: | Amsterdam | Date Received: | 05/01/25 |
| Client Sample ID: | GB2 | SDG No.: | Q1939 |
| Lab Sample ID: | Q1939-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 78 |
| Sample Wt/Vol: | 7.16 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086517.D | 1 | | 05/06/25 16:11 | VN050625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 100 | U | 100 | 450 | ug/Kg |
| 74-87-3 | Chloromethane | 100 | U | 100 | 450 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 70.7 | U | 70.7 | 450 | ug/Kg |
| 74-83-9 | Bromomethane | 95.8 | U | 95.8 | 450 | ug/Kg |
| 75-00-3 | Chloroethane | 110 | U | 110 | 450 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 110 | U | 110 | 450 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 94.9 | U | 94.9 | 450 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 89.5 | U | 89.5 | 450 | ug/Kg |
| 67-64-1 | Acetone | 420 | U | 420 | 2200 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 94.9 | U | 94.9 | 450 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 65.4 | U | 65.4 | 450 | ug/Kg |
| 79-20-9 | Methyl Acetate | 360 | J | 140 | 450 | ug/Kg |
| 75-09-2 | Methylene Chloride | 320 | U | 320 | 900 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 77.0 | U | 77.0 | 450 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 71.6 | U | 71.6 | 450 | ug/Kg |
| 110-82-7 | Cyclohexane | 70.7 | U | 70.7 | 450 | ug/Kg |
| 78-93-3 | 2-Butanone | 590 | U | 590 | 2200 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 86.8 | U | 86.8 | 450 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 67.1 | U | 67.1 | 450 | ug/Kg |
| 74-97-5 | Bromochloromethane | 100 | U | 100 | 450 | ug/Kg |
| 67-66-3 | Chloroform | 75.2 | U | 75.2 | 450 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 83.3 | U | 83.3 | 450 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 500 | | 81.5 | 450 | ug/Kg |
| 71-43-2 | Benzene | 70.7 | U | 70.7 | 450 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 70.7 | U | 70.7 | 450 | ug/Kg |
| 79-01-6 | Trichloroethene | 72.5 | U | 72.5 | 450 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 81.5 | U | 81.5 | 450 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 69.8 | U | 69.8 | 450 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 320 | U | 320 | 2200 | ug/Kg |
| 108-88-3 | Toluene | 69.8 | U | 69.8 | 450 | ug/Kg |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 58.2 | U | 58.2 | 450 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 55.5 | U | 55.5 | 450 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 82.4 | U | 82.4 | 450 | ug/Kg |
| 591-78-6 | 2-Hexanone | 330 | U | 330 | 2200 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 77.9 | U | 77.9 | 450 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 78.8 | U | 78.8 | 450 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 94.0 | U | 94.0 | 450 | ug/Kg |
| 108-90-7 | Chlorobenzene | 81.5 | U | 81.5 | 450 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 60.0 | U | 60.0 | 450 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 120 | J | 110 | 900 | ug/Kg |
| 95-47-6 | o-Xylene | 73.4 | U | 73.4 | 450 | ug/Kg |
| 100-42-5 | Styrene | 63.6 | U | 63.6 | 450 | ug/Kg |
| 75-25-2 | Bromoform | 77.0 | U | 77.0 | 450 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 69.8 | U | 69.8 | 450 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 110 | U | 110 | 450 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 150 | U | 150 | 450 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 140 | U | 140 | 450 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 130 | U | 130 | 450 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 160 | U | 160 | 450 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | U | 270 | 450 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 280 | U | 280 | 450 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.2 | | 70 (63) - 130 (155) | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 56.9 | | 70 (70) - 130 (134) | 114% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.1 | | 70 (74) - 130 (123) | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.9 | | 70 (38) - 130 (136) | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 146000 | 8.218 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 276000 | 9.094 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 271000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 120000 | 13.788 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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|---|---|---|---|---|---|---|
| 97-63-2 | Ethyl methacrylate | 140 | J | | 10.9 | ug/Kg |
| 004923-78-8 | Cyclohexane, 1-ethyl-2-methyl-, tr | 2300 | J | | 12.4 | ug/Kg |
| 005911-04-6 | Nonane, 3-methyl- | 1800 | J | | 12.5 | ug/Kg |
| 014676-29-0 | Heptane, 3-ethyl-2-methyl- | 5000 | J | | 12.6 | ug/Kg |
| 002216-32-2 | Heptane, 4-ethyl- | 1900 | J | | 12.7 | ug/Kg |
| 002040-95-1 | Cyclopentane, butyl- | 1300 | J | | 13.0 | ug/Kg |
| 95-49-8 | 2-Chlorotoluene | 870 | J | | 13.1 | ug/Kg |
| 106-43-4 | 4-Chlorotoluene | 500 | J | | 13.2 | ug/Kg |
| 017302-28-2 | Nonane, 2,6-dimethyl- | 2000 | J | | 13.4 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 140 | J | | 13.5 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 110 | J | | 13.6 | ug/Kg |
| 001678-93-9 | Cyclohexane, butyl- | 1700 | J | | 13.7 | ug/Kg |
| 000091-17-8 | Naphthalene, decahydro- | 1700 | J | | 14.1 | ug/Kg |
| 061208-94-4 | Cyclohexane, (1-methylbutyl)- | 1300 | J | | 14.6 | ug/Kg |
| 032768-54-0 | Benzene, 1,2-dichloro-3-methyl- | 1500 | J | | 14.8 | ug/Kg |
| 000095-93-2 | Benzene, 1,2,4,5-tetramethyl- | 1500 | J | | 15.0 | ug/Kg |
| 017301-23-4 | Undecane, 2,6-dimethyl- | 2400 | J | | 15.1 | ug/Kg |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 1700 | J | | 15.9 | ug/Kg |
| 031295-56-4 | Dodecane, 2,6,11-trimethyl- | 1400 | J | | 16.6 | ug/Kg |
| 000090-12-0 | Naphthalene, 1-methyl- | 1200 | J | | 16.8 | 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