

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062725\  
 Data File : VD080488.D  
 Acq On : 27 Jun 2025 10:33  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 28 03:05:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:16:36 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.324  | 1.4   | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.518  | -3.0  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.290  | -8.6# | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 61.955  | -23.9 | 115   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.475  | -9.0  | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.047  | -6.1  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.169  | -6.3  | 89    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.420  | -4.8  | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.629  | -11.3 | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 242.822 | 2.9   | 80    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.119  | -2.2# | 91    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 216.822 | 13.3  | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.673  | -1.3  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 246.889 | 1.2   | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 272.498 | -9.0  | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.588  | -5.2  | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.389  | 7.2   | 78    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.908  | 0.2   | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.641  | -5.3  | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.736  | -1.5  | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.471  | -2.9  | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 263.336 | -5.3  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.158  | -2.3  | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.982 | -4.4  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.572  | -5.1  | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.294  | -0.6  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.958  | -1.9  | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.359 | 0.3   | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.712  | -1.4# | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.110  | -0.2  | 91    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.500  | -3.0  | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.818  | -1.6  | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.496  | -5.0  | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.524  | -5.0  | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.806  | 0.4   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.463  | -4.9  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.756  | -5.5  | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.315  | -2.6  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.538  | -1.1  | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.846  | -1.7  | 84    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.761  | -3.5  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.975  | -2.0  | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.781  | -3.6# | 87    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.429  | -0.9  | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.225  | -2.5  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.848  | 0.3   | 83    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:16:36 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 969.375 | 3.1   | 82    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.479  | -5.0  | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.363 | -1.7  | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.878  | -1.8# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.926  | -3.9  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.596  | -3.2  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.589  | 0.8   | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.364  | -0.7  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.053  | -0.1  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 248.660 | 0.5   | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.443 | -3.8  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.655  | -1.3  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.828  | 0.3   | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.556  | -1.1  | 84    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.968  | -3.9  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.668  | -3.3  | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.838  | -3.7  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.627  | -5.3# | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.883 | -4.9  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.765  | -3.5  | 88    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.927  | -3.9  | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.134  | 1.7   | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.285  | -4.6  | 89    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.205  | -4.4  | 85    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.691  | -1.4  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.686  | -5.4  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.654  | -3.3  | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.812  | -5.6  | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.803  | -3.6  | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.929  | -3.9  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.925  | 0.2   | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.336  | -2.7  | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.541  | -3.1  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.757  | -3.5  | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.081  | -6.2  | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.274  | -4.5  | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.619  | -3.2  | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.344  | -2.7  | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.298  | -6.6  | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.441  | -4.9  | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.659  | -3.3  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.379  | -0.8  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.979  | -2.0  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.548  | -3.1  | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.016  | -0.0  | 83    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.468 | -2.9 | 87    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6