

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020725\  
 Data File : VD080262.D  
 Acq On : 07 Feb 2025 16:37  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 07 23:35:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 05:44:14 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.204  | 19.6  | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 36.589  | 26.8# | 71    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 40.021  | 20.0# | 78    | -0.01    |
| 5 T   | Bromomethane                | 50.000  | 47.318  | 5.4   | 79    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 45.412  | 9.2   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.032  | 11.9  | 87    | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 44.637  | 10.7  | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.049  | 7.9   | 94    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 53.063  | -6.1  | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 240.838 | 3.7   | 89    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.898  | 10.2# | 88    | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 168.874 | 32.5# | 63    | -0.01    |
| 14 T  | Allyl chloride              | 50.000  | 44.466  | 11.1  | 81    | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 234.346 | 6.3   | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 231.165 | 7.5   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.821  | 16.4  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.402  | -0.8  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.296  | 3.4   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.183  | 11.6  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.864  | 8.3   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.844  | 2.3   | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.594 | 1.0   | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.170  | 9.7   | 81    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.265 | 1.9   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.471  | 11.1  | 85    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.812  | 6.4   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.383  | 7.2   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.395 | 0.2   | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.148  | 3.7#  | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.601  | 12.8  | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.441  | 3.1   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 40.185  | 19.6  | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 86    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.596  | 4.8   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.018  | -4.0  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.350  | -2.7  | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.457  | -2.9  | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.018  | -6.0  | 93    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.551  | -1.1  | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.395  | 7.2   | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.298  | -2.6  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.407  | -10.8 | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.863  | -5.7  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.768  | -3.5# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.202  | -10.4 | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.668  | -7.3  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.935  | -5.9  | 86    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 07 23:35:56 2025  
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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 05:44:14 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 | 1101.789 | -10.2 | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.789   | 4.4   | 77    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 285.918  | -14.4 | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.611   | -9.2# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.193   | -10.4 | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.431   | -4.9  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.424   | -8.8  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.224   | -18.4 | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.859   | -9.7  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 252.770  | -1.1  | 73    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 308.426  | -23.4 | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.381   | -12.8 | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.436   | -10.9 | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.557   | 2.9   | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.587   | -1.2  | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.903   | 2.2   | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.584   | -3.2  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.889   | -3.8# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.440  | -5.4  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.778   | -5.6  | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.073   | -8.1  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.837   | -7.7  | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.990   | 4.0   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.512   | 3.0   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.269   | 1.5   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.984   | 10.0  | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.706   | 4.6   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.933   | 2.1   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.926   | 2.1   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.098   | -2.2  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.081   | -2.2  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.840   | 0.3   | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.287   | -0.6  | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.526   | -3.1  | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.391   | -2.8  | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.558   | -3.1  | 100   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.310   | -0.6  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.013   | 2.0   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.071   | -0.1  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.029   | 3.9   | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.296   | -0.6  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.000   | 6.0   | 84    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.098   | 5.8   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.485   | 7.0   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.266   | -0.5  | 87    | 0.00     |

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ALS Vial : 11 Sample Multiplier: 1

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MSVOA\_D  
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Quant Time: Feb 07 23:35:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020325S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 04 05:44:14 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.748 | 4.5  | 85    | 0.00     |

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