

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051625\  
 Data File : VD080360.D  
 Acq On : 16 May 2025 09:59  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 17 01:15:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 07 08:57:11 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  | 59.832  | -19.7  | 122   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.501  | -3.0   | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.404  | 15.2#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.750  | 12.5   | 103   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 40.071  | 19.9   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.701  | -3.4   | 112   | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 50.081  | -0.2   | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.968  | -1.9   | 110   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.906  | -11.8  | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 214.106 | 14.4   | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.409  | -0.8#  | 109   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 187.499 | 25.0#  | 76    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.956  | 4.1    | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 225.954 | 9.6    | 94    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 343.780 | -37.5# | 128   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.326  | -0.7   | 111   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 37.473  | 25.1#  | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.577  | 0.8    | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.625  | -5.3   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.543  | -3.1   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.482  | 1.0    | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 246.234 | 1.5    | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.544  | 2.9    | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.297 | 3.1    | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.299  | -2.6   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.087  | -2.2   | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.900  | 12.2   | 86    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 227.400 | 9.0    | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.033  | 3.9#   | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.431  | 3.1    | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.221  | -2.4   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.481  | 9.0    | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.976  | -12.0  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.881  | -11.8  | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.298  | 7.4    | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.488  | -11.0  | 103   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.387  | -12.8  | 105   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.195  | -4.4   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 40.120  | 19.8   | 79    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.977  | 4.0    | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.125  | 5.8    | 85    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.730  | -5.5   | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.892  | -1.8#  | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.207  | -2.4   | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.035  | -2.1   | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.747  | 2.5    | 87    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|----------|---------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 930.904 | 6.9    | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.603  | -7.2   | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 240.999 | 3.6    | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.975  | -6.0#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.051  | 1.9    | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.851  | -3.7   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.869  | 0.3    | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.721  | -5.4   | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.965  | -1.9   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 273.235 | -9.3   | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 251.352 | -0.5   | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.949  | -1.9   | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.739  | -1.5   | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.439  | -4.9   | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.416  | -8.8   | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.278  | -4.6   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.690  | -3.4   | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.604  | -11.2# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.884 | -13.9  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.255  | -10.5  | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.841  | -9.7   | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.894  | -1.8   | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.374  | -10.7  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.840  | 4.3    | 85    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.439  | 1.1    | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.398  | 11.2   | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.712  | -3.4   | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.432  | -12.9  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.874  | -7.7   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.691  | -13.4  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.006  | -4.0   | 90    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.180  | -6.4   | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.230  | -10.5  | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.818  | -11.6  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.104  | -14.2  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.064  | -14.1  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.102  | -4.2   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.667  | -1.3   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 57.069  | -14.1  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.257  | -4.5   | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.438  | -2.9   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.631  | 4.7    | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.473  | -2.9   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.441  | -6.9   | 96    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.376  | -0.8   | 91    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_D  
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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 | 51.283 | -2.6 | 90    | 0.00     |

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