

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051325\  
 Data File : VX046179.D  
 Acq On : 13 May 2025 20:15  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 14 01:47:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.887  | -11.8 | 86    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 56.217  | -12.4 | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.505  | -7.0# | 91    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.408  | 3.2   | 83    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.420  | -10.8 | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.464  | -8.9  | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.170  | -6.3  | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.119  | -6.2  | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.226  | -18.5 | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 299.652 | -19.9 | 106   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.209  | -6.4# | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 307.659 | -23.1 | 105   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.103  | -10.2 | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 281.945 | -12.8 | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 273.989 | -9.6  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.439  | -2.9  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.839  | -19.7 | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.124  | -14.2 | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.566  | -3.1  | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.987  | -6.0  | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.549  | -15.1 | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 287.038 | -14.8 | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.038  | -10.1 | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 286.768 | -14.7 | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.866  | 12.3  | 76    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.032  | -10.1 | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.001  | -2.0  | 90    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 288.391 | -15.4 | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.907  | -9.8# | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 54.043  | -8.1  | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.151  | -12.3 | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.174  | -0.3  | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.489  | 1.0   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.347  | -4.7  | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.524  | -7.0  | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.557  | -5.1  | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.116  | -2.2  | 91    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.467  | -6.9  | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 58.044  | -16.1 | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.556  | -5.1  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.713  | -13.4 | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.255  | -4.5  | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.581  | -9.2# | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.086  | -6.2  | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.983  | -8.0  | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.598  | -17.2 | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 14 01:47:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 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 | 1227.179 | -22.7 | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.734   | 0.5   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 281.453  | -12.6 | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.928   | -7.9# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.382   | -8.8  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.711   | -9.4  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.953   | -9.9  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.083   | -18.2 | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.760   | -7.5  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 277.945  | -11.2 | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 287.232  | -14.9 | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.495   | -13.0 | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.561   | -9.1  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.336   | -2.7  | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.922   | 6.2   | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.771   | -3.5  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.929   | -5.9  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.404   | -6.8# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.950  | -6.0  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.321   | -8.6  | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.771   | -11.5 | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.285   | -6.6  | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.306   | -8.6  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 57.476   | -15.0 | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.068   | -4.1  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.946   | -3.9  | 99    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.141   | -8.3  | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.492   | -9.0  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.671   | -7.3  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.569   | -11.1 | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.092   | 1.8   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.338   | -8.7  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.262   | -10.5 | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.909   | -9.8  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.038   | -10.1 | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.867   | -9.7  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.549   | -7.1  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.777   | -3.6  | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.413   | -8.8  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.648   | -7.3  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.953   | -5.9  | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.775   | -13.5 | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.873   | -7.7  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.238   | -6.5  | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.217   | -12.4 | 102   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: May 14 01:47:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 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 | 53.191 | -6.4 | 97    | 0.00     |

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