

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073025\  
 Data File : VX047179.D  
 Acq On : 30 Jul 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 31 03:12:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.664 | 0.703 | -5.9   | 84    | 0.00     |
| 3 P   | Chloromethane               | 0.657 | 0.613 | 6.7    | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.706 | 0.755 | -6.9#  | 89    | 0.00     |
| 5 T   | Bromomethane                | 0.384 | 0.355 | 7.6    | 73    | 0.01     |
| 6 T   | Chloroethane                | 0.464 | 0.434 | 6.5    | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.053 | 1.093 | -3.8   | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 0.371 | 0.385 | -3.8   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.634 | 0.629 | 0.8    | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 0.647 | 0.927 | -43.3# | 117   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.080 | 0.074 | 7.5    | 92    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.628 | 0.637 | -1.4#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 0.134 | 0.115 | 14.2   | 76    | 0.00     |
| 14 T  | Allyl chloride              | 1.136 | 0.984 | 13.4   | 73    | 0.00     |
| 15 T  | Acrylonitrile               | 0.297 | 0.309 | -4.0   | 86    | 0.00     |
| 16 T  | Acetone                     | 0.250 | 0.272 | -8.8   | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.818 | 1.689 | 7.1    | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 0.663 | 0.785 | -18.4  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.912 | 2.033 | -6.3   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 0.686 | 0.684 | 0.3    | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.643 | 0.635 | 1.2    | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.184 | 2.284 | -4.6   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.752 | 1.819 | -3.8   | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.214 | 1.233 | -1.6   | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 0.363 | 0.367 | -1.1   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.940 | 0.426 | 54.7#  | 40#   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.761 | 0.749 | 1.6    | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 0.559 | 0.627 | -12.2  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.234 | 0.230 | 1.7    | 82    | 0.00     |
| 30 C  | Chloroform                  | 1.236 | 1.227 | 0.7#   | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 1.164 | 1.083 | 7.0    | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.074 | 1.068 | 0.6    | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.623 | 0.684 | -9.8   | 109   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.309 | 0.336 | -8.7   | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.526 | 0.480 | 8.7    | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.485 | 0.483 | 0.4    | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.562 | 0.536 | 4.6    | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.657 | 0.575 | 12.5   | 79    | 0.00     |
| 40 TM | Benzene                     | 1.523 | 1.437 | 5.6    | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.254 | 0.240 | 5.5    | 79    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.536 | 0.514 | 4.1    | 86    | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.756 | 0.770 | -1.9   | 87    | -0.01    |
| 44 TM | Trichloroethene             | 0.391 | 0.359 | 8.2    | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.381 | 0.361 | 5.2#   | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.267 | 0.258 | 3.4    | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.569 | 0.549 | 3.5    | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.412 | 0.393 | 4.6    | 86    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 31 03:12:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.005 | 0.005 | 0.0   | 89    | 0.06     |
| 50 S  | Toluene-d8                  | 1.000 | 1.001 | -0.1  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.449 | 0.434 | 3.3   | 84    | 0.00     |
| 52 CM | Toluene                     | 0.936 | 0.877 | 6.3#  | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.538 | 0.458 | 14.9  | 75    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.588 | 0.499 | 15.1  | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.351 | 0.331 | 5.7   | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.520 | 0.524 | -0.8  | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.610 | 0.569 | 6.7   | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.289 | 0.279 | 3.5   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.297 | 0.296 | 0.3   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.412 | 0.404 | 1.9   | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.367 | 0.340 | 7.4   | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.431 | 0.442 | -2.6  | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.360 | 0.334 | 7.2   | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 1.171 | 1.097 | 6.3   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.394 | 0.385 | 2.3   | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.048 | 1.924 | 6.1#  | 81    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.766 | 0.719 | 6.1   | 82    | 0.00     |
| 69 T  | o-Xylene                    | 0.729 | 0.696 | 4.5   | 82    | 0.00     |
| 70 T  | Styrene                     | 1.250 | 1.196 | 4.3   | 82    | 0.00     |
| 71 P  | Bromoform                   | 0.300 | 0.299 | 0.3   | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.945 | 3.948 | -0.1  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 1.592 | 1.618 | -1.6  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.127 | 1.138 | -1.0  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.925 | 0.912 | 1.4   | 82    | 0.00     |
| 77 T  | Bromobenzene                | 0.946 | 0.933 | 1.4   | 82    | 0.00     |
| 78 T  | n-propylbenzene             | 4.714 | 4.617 | 2.1   | 81    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.818 | 2.747 | 2.5   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.259 | 3.213 | 1.4   | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.359 | 0.211 | 41.2# | 48#   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.289 | 3.215 | 2.2   | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.271 | 3.315 | -1.3  | 83    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.251 | 3.227 | 0.7   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.087 | 4.026 | 1.5   | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.389 | 3.321 | 2.0   | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.798 | 1.745 | 2.9   | 82    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.821 | 1.709 | 6.2   | 81    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.178 | 3.064 | 3.6   | 79    | 0.00     |
| 90 T  | Hexachloroethane            | 0.606 | 0.609 | -0.5  | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.718 | 1.656 | 3.6   | 81    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.232 | -7.4  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.135 | 1.094 | 3.6   | 80    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.386 | 0.373 | 3.4   | 82    | 0.00     |
| 95 T  | Naphthalene                 | 3.328 | 3.488 | -4.8  | 83    | 0.00     |

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Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 31 03:12:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.094 | 1.074 | 1.8  | 82    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6