

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111325\  
 Data File : VX048600.D  
 Acq On : 13 Nov 2025 16:48  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 14 04:26:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 72    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.405 | 0.440 | -8.6   | 75    | 0.00     |
| 3 P   | Chloromethane               | 0.537 | 0.651 | -21.2  | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.608 | 0.748 | -23.0# | 90    | 0.00     |
| 5 T   | Bromomethane                | 0.384 | 0.528 | -37.5# | 90    | 0.00     |
| 6 T   | Chloroethane                | 0.398 | 0.492 | -23.6  | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.963 | 1.141 | -18.5  | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 0.386 | 0.507 | -31.3# | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.557 | 0.680 | -22.1  | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 0.825 | 1.053 | -27.6# | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.132 | 0.182 | -37.9# | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.724 | -24.4# | 96    | 0.00     |
| 13 T  | Acrolein                    | 0.019 | 0.027 | -42.1# | 95    | 0.00     |
| 14 T  | Allyl chloride              | 1.084 | 1.341 | -23.7  | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 0.385 | 0.542 | -40.8# | 97    | 0.00     |
| 16 T  | Acetone                     | 0.330 | 0.479 | -45.2# | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.638 | 1.817 | -10.9  | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 0.906 | 1.216 | -34.2# | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.055 | 2.767 | -34.6# | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 0.678 | 0.868 | -28.0# | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.617 | 0.772 | -25.1# | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.081 | 2.779 | -33.5# | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.822 | 2.458 | -34.9# | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.142 | 1.492 | -30.6# | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 0.488 | 0.635 | -30.1# | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.973 | 1.101 | -13.2  | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.754 | 0.896 | -18.8  | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 0.561 | 0.545 | 2.9    | 72    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.348 | 0.373 | -7.2   | 77    | 0.00     |
| 30 C  | Chloroform                  | 1.179 | 1.239 | -5.1#  | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 0.936 | 0.843 | 9.9    | 70    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.029 | 1.051 | -2.1   | 78    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.697 | 0.829 | -18.9  | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.378 | 0.382 | -1.1   | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.507 | 0.455 | 10.3   | 77    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.713 | 0.741 | -3.9   | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.577 | 0.528 | 8.5    | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.569 | 0.493 | 13.4   | 70    | 0.00     |
| 40 TM | Benzene                     | 1.571 | 1.436 | 8.6    | 74    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.314 | 0.337 | -7.3   | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.538 | 0.565 | -5.0   | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.003 | 1.030 | -2.7   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 0.375 | 0.357 | 4.8    | 73    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.361 | 0.375 | -3.9#  | 76    | 0.00     |
| 46 T  | Dibromomethane              | 0.263 | 0.297 | -12.9  | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.526 | 0.609 | -15.8  | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.446 | 0.527 | -18.2  | 83    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 14 04:26:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.007 | 0.0    | 71    | 0.00     |
| 50 S  | Toluene-d8                  | 1.180 | 1.278 | -8.3   | 77    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.571 | 0.714 | -25.0# | 83    | 0.00     |
| 52 CM | Toluene                     | 0.827 | 0.927 | -12.1# | 77    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.541 | 0.627 | -15.9  | 79    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.561 | 0.655 | -16.8  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.330 | 0.393 | -19.1  | 79    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.550 | 0.654 | -18.9  | 77    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.575 | 0.670 | -16.5  | 78    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.296 | 0.351 | -18.6  | 72    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.425 | 0.543 | -27.8# | 85    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.406 | 0.480 | -18.2  | 80    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.358 | 0.423 | -18.2  | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.440 | 0.490 | -11.4  | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.363 | 0.315 | 13.2   | 75    | 0.00     |
| 65 PM | Chlorobenzene               | 1.187 | 1.100 | 7.3    | 78    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.398 | 0.398 | 0.0    | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.993 | 1.855 | 6.9#   | 77    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.751 | 0.718 | 4.4    | 78    | 0.00     |
| 69 T  | o-Xylene                    | 0.734 | 0.690 | 6.0    | 77    | 0.00     |
| 70 T  | Styrene                     | 1.232 | 1.203 | 2.4    | 78    | 0.00     |
| 71 P  | Bromoform                   | 0.367 | 0.352 | 4.1    | 79    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.629 | 3.338 | 8.0    | 79    | 0.00     |
| 74 T  | N-amyl acetate              | 1.822 | 1.777 | 2.5    | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.280 | 1.206 | 5.8    | 81    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.205 | 1.131 | 6.1    | 63    | 0.00     |
| 77 T  | Bromobenzene                | 0.937 | 0.856 | 8.6    | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 4.268 | 3.882 | 9.0    | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.579 | 2.331 | 9.6    | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.959 | 2.692 | 9.0    | 79    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.421 | 0.394 | 6.4    | 75    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.025 | 2.793 | 7.7    | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.060 | 2.732 | 10.7   | 77    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.985 | 2.742 | 8.1    | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.782 | 3.283 | 13.2   | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.180 | 2.789 | 12.3   | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.756 | 1.536 | 12.5   | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.814 | 1.591 | 12.3   | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.983 | 2.578 | 13.6   | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 0.606 | 0.534 | 11.9   | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.686 | 1.503 | 10.9   | 76    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.297 | 0.286 | 3.7    | 80    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.120 | 0.925 | 17.4   | 72    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.355 | 24.1   | 72    | 0.00     |
| 95 T  | Naphthalene                 | 3.603 | 3.402 | 5.6    | 76    | 0.00     |

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VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.042 | 0.907 | 13.0 | 74    | 0.00     |

(#) = Out of Range

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