

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX043025\  
 Data File : VX045985.D  
 Acq On : 30 Apr 2025 10:01  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 01 03:35:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 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    | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.748 | 0.740 | 1.1    | 78    | 0.00     |
| 3 P   | Chloromethane               | 0.768 | 0.749 | 2.5    | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.703 | 0.712 | -1.3#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 0.333 | 0.335 | -0.6   | 88    | 0.00     |
| 6 T   | Chloroethane                | 0.373 | 0.401 | -7.5   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.048 | 1.163 | -11.0  | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 0.352 | 0.388 | -10.2  | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.720 | -17.3  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 0.766 | 0.808 | -5.5   | 88    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.123 | 0.140 | -13.8  | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.600 | 0.646 | -7.7#  | 93    | 0.00     |
| 13 T  | Acrolein                    | 0.169 | 0.169 | 0.0    | 88    | 0.00     |
| 14 T  | Allyl chloride              | 1.139 | 1.289 | -13.2  | 95    | 0.00     |
| 15 T  | Acrylonitrile               | 0.388 | 0.434 | -11.9  | 93    | 0.00     |
| 16 T  | Acetone                     | 0.375 | 0.412 | -9.9   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.483 | 1.428 | 3.7    | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 0.864 | 1.229 | -42.2# | 124   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.100 | 2.378 | -13.2  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 0.703 | 0.750 | -6.7   | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.613 | 0.651 | -6.2   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.243 | 2.538 | -13.2  | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.938 | 2.170 | -12.0  | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.269 | 1.396 | -10.0  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 0.550 | 0.628 | -14.2  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.820 | 1.079 | -31.6# | 110   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.747 | 0.807 | -8.0   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 0.613 | 0.625 | -2.0   | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.356 | 0.395 | -11.0  | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.306 | 1.474 | -12.9# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 1.122 | 1.180 | -5.2   | 91    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.105 | 1.276 | -15.5  | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.914 | 0.976 | -6.8   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.355 | 0.405 | -14.1  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.546 | -14.0  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.604 | 0.676 | -11.9  | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.518 | 0.632 | -22.0  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.587 | 0.683 | -16.4  | 92    | 0.00     |
| 40 TM | Benzene                     | 1.463 | 1.629 | -11.3  | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.318 | 0.391 | -23.0  | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.604 | 0.716 | -18.5  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.915 | 1.083 | -18.4  | 93    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.381 | -9.5   | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.424 | -16.2# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.280 | 0.324 | -15.7  | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.560 | 0.663 | -18.4  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.472 | 0.570 | -20.8  | 94    | 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: May 01 03:35:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 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                 | 0.009 | 0.010 | -11.1  | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 1.238 | 1.287 | -4.0   | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.606 | 0.741 | -22.3  | 94    | 0.00     |
| 52 CM | Toluene                     | 0.885 | 1.002 | -13.2# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.467 | 0.594 | -27.2# | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.526 | 0.661 | -25.7# | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.353 | 0.409 | -15.9  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.546 | 0.660 | -20.9  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.614 | 0.717 | -16.8  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.276 | 0.319 | -15.6  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.449 | 0.545 | -21.4  | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.385 | 0.474 | -23.1  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.357 | 0.421 | -17.9  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.451 | 0.514 | -14.0  | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.353 | 0.398 | -12.7  | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 1.068 | 1.246 | -16.7  | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.371 | 0.438 | -18.1  | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.914 | 2.259 | -18.0# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.696 | 0.828 | -19.0  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 0.686 | 0.796 | -16.0  | 90    | 0.00     |
| 70 T  | Styrene                     | 1.132 | 1.369 | -20.9  | 92    | 0.00     |
| 71 P  | Bromoform                   | 0.277 | 0.356 | -28.5# | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.005 | 4.466 | -11.5  | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 1.916 | 2.176 | -13.6  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.407 | 1.476 | -4.9   | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.220 | 1.310 | -7.4   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 0.925 | 1.010 | -9.2   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 4.613 | 5.277 | -14.4  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.949 | 3.218 | -9.1   | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.312 | 3.775 | -14.0  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.359 | 0.415 | -15.6  | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.288 | 3.748 | -14.0  | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.279 | 3.730 | -13.8  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.324 | 3.798 | -14.3  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.027 | 4.708 | -16.9  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.320 | 3.912 | -17.8  | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.684 | 1.879 | -11.6  | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.708 | 1.871 | -9.5   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.879 | 3.538 | -22.9  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.693 | -21.4  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.675 | 1.841 | -9.9   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.294 | 0.349 | -18.7  | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 1.062 | -13.9  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.402 | 0.485 | -20.6  | 106   | 0.00     |
| 95 T  | Naphthalene                 | 3.469 | 3.916 | -12.9  | 93    | 0.00     |

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MSVOA\_X  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 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 | 0.976 | 1.114 | -14.1 | 98    | 0.00     |

(#) = Out of Range

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