

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031125\  
 Data File : VX045236.D  
 Acq On : 11 Mar 2025 19:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 12 01:55:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.629 | 0.576 | 8.4   | 82    | 0.00     |
| 3 P   | Chloromethane               | 0.770 | 0.698 | 9.4   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.764 | 0.651 | 14.8# | 77    | 0.00     |
| 5 T   | Bromomethane                | 0.300 | 0.277 | 7.7   | 85    | 0.00     |
| 6 T   | Chloroethane                | 0.352 | 0.354 | -0.6  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.011 | 0.949 | 6.1   | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 0.396 | 0.344 | 13.1  | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.581 | 0.578 | 0.5   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.726 | 0.735 | -1.2  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.151 | 0.112 | 25.8# | 75    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.614 | 0.574 | 6.5#  | 83    | 0.00     |
| 13 T  | Acrolein                    | 0.174 | 0.070 | 59.8# | 36#   | 0.00     |
| 14 T  | Allyl chloride              | 1.094 | 1.062 | 2.9   | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 0.404 | 0.393 | 2.7   | 86    | 0.00     |
| 16 T  | Acetone                     | 0.369 | 0.339 | 8.1   | 86    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.636 | 1.326 | 18.9  | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 0.888 | 0.970 | -9.2  | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.061 | 1.949 | 5.4   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 0.731 | 0.681 | 6.8   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.607 | 0.570 | 6.1   | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.224 | 2.164 | 2.7   | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.856 | 1.824 | 1.7   | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.247 | 1.182 | 5.2   | 85    | 0.00     |
| 25 T  | 2-Butanone                  | 0.555 | 0.543 | 2.2   | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.585 | 0.705 | -20.5 | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.749 | 0.717 | 4.3   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 0.594 | 0.567 | 4.5   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.373 | 0.349 | 6.4   | 84    | 0.00     |
| 30 C  | Chloroform                  | 1.239 | 1.181 | 4.7#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 1.082 | 1.014 | 6.3   | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.000 | 0.960 | 4.0   | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.795 | 0.722 | 9.2   | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.334 | 0.309 | 7.5   | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.459 | 0.443 | 3.5   | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.591 | 0.570 | 3.6   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.465 | 0.452 | 2.8   | 85    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.549 | 0.549 | 0.0   | 82    | 0.00     |
| 40 TM | Benzene                     | 1.448 | 1.398 | 3.5   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.319 | 0.325 | -1.9  | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.521 | 0.523 | -0.4  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.874 | 0.880 | -0.7  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 0.340 | 0.333 | 2.1   | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.372 | 0.356 | 4.3#  | 84    | 0.00     |
| 46 T  | Dibromomethane              | 0.263 | 0.266 | -1.1  | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.516 | 0.511 | 1.0   | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.438 | 0.447 | -2.1  | 85    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 12 01:55:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 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 | 0.009 | 0.0   | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 1.212 | 1.098 | 9.4   | 80    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.587 | 0.622 | -6.0  | 90    | 0.00     |
| 52 CM | Toluene                     | 0.849 | 0.844 | 0.6#  | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.431 | 0.447 | -3.7  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.503 | 0.522 | -3.8  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.350 | 0.341 | 2.6   | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.532 | 0.557 | -4.7  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.605 | 0.606 | -0.2  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.259 | 0.290 | -12.0 | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.425 | 0.458 | -7.8  | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.366 | 0.370 | -1.1  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.349 | 0.348 | 0.3   | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.402 | 0.396 | 1.5   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.320 | 0.303 | 5.3   | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 1.058 | 1.028 | 2.8   | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.352 | 0.338 | 4.0   | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.843 | 1.847 | -0.2# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.675 | 0.683 | -1.2  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 0.681 | 0.667 | 2.1   | 85    | 0.00     |
| 70 T  | Styrene                     | 1.101 | 1.139 | -3.5  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.266 | 0.270 | -1.5  | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.903 | 3.801 | 2.6   | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 1.831 | 1.841 | -0.5  | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.432 | 1.335 | 6.8   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.164 | 1.098 | 5.7   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.921 | 0.865 | 6.1   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 4.409 | 4.386 | 0.5   | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.808 | 2.658 | 5.3   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.156 | 3.121 | 1.1   | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.340 | 0.321 | 5.6   | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.060 | 3.010 | 1.6   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.242 | 3.126 | 3.6   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.175 | 3.143 | 1.0   | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.884 | 3.940 | -1.4  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.139 | 3.192 | -1.7  | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.643 | 1.603 | 2.4   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.662 | 1.559 | 6.2   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.703 | 2.851 | -5.5  | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 0.568 | 0.544 | 4.2   | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.648 | 1.595 | 3.2   | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.279 | 0.271 | 2.9   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.938 | 0.909 | 3.1   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.385 | 0.371 | 3.6   | 91    | 0.00     |
| 95 T  | Naphthalene                 | 3.605 | 3.520 | 2.4   | 86    | 0.00     |

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VSTDCCC050

Quant Time: Mar 12 01:55:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 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 | 0.990 | 0.956 | 3.4  | 86    | 0.00     |

(#) = Out of Range

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