

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092525\  
 Data File : VX047825.D  
 Acq On : 26 Sep 2025 01:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 26 03:55:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 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   | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.518 | 0.564 | -8.9  | 89    | 0.00     |
| 3 P   | Chloromethane               | 0.680 | 0.683 | -0.4  | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.666 | 0.692 | -3.9# | 83    | 0.00     |
| 5 T   | Bromomethane                | 0.422 | 0.381 | 9.7   | 71    | 0.00     |
| 6 T   | Chloroethane                | 0.445 | 0.437 | 1.8   | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.989 | 0.984 | 0.5   | 78    | 0.00     |
| 8 T   | Diethyl Ether               | 0.405 | 0.425 | -4.9  | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.573 | 0.9   | 78    | 0.00     |
| 10 T  | Methyl Iodide               | 0.902 | 0.855 | 5.2   | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.089 | 0.098 | -10.1 | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.594 | 0.601 | -1.2# | 79    | 0.00     |
| 13 T  | Acrolein                    | 0.082 | 0.033 | 59.8# | 32#   | 0.00     |
| 14 T  | Allyl chloride              | 1.226 | 1.058 | 13.7  | 69    | 0.00     |
| 15 T  | Acrylonitrile               | 0.328 | 0.386 | -17.7 | 88    | 0.00     |
| 16 T  | Acetone                     | 0.346 | 0.311 | 10.1  | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.626 | 1.681 | -3.4  | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 0.770 | 0.935 | -21.4 | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.169 | 2.253 | -3.9  | 79    | 0.00     |
| 20 T  | Methylene Chloride          | 0.732 | 0.749 | -2.3  | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.640 | 0.660 | -3.1  | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.376 | 2.469 | -3.9  | 79    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.901 | 2.011 | -5.8  | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.263 | 1.302 | -3.1  | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 0.432 | 0.473 | -9.5  | 85    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.050 | 0.662 | 37.0# | 49#   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.783 | 0.806 | -2.9  | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 0.551 | 0.585 | -6.2  | 80    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.260 | 0.301 | -15.8 | 86    | 0.00     |
| 30 C  | Chloroform                  | 1.276 | 1.331 | -4.3# | 79    | 0.00     |
| 31 T  | Cyclohexane                 | 1.052 | 1.000 | 4.9   | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.082 | 1.084 | -0.2  | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.796 | 0.769 | 3.4   | 79    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.335 | 0.335 | 0.0   | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.490 | 0.471 | 3.9   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.525 | 0.591 | -12.6 | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.532 | 0.512 | 3.8   | 76    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.556 | 0.521 | 6.3   | 74    | 0.00     |
| 40 TM | Benzene                     | 1.488 | 1.511 | -1.5  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.271 | 0.303 | -11.8 | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.566 | 0.556 | 1.8   | 77    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.860 | 0.905 | -5.2  | 81    | 0.00     |
| 44 TM | Trichloroethene             | 0.360 | 0.364 | -1.1  | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.381 | 0.399 | -4.7# | 81    | 0.00     |
| 46 T  | Dibromomethane              | 0.277 | 0.288 | -4.0  | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.572 | 0.592 | -3.5  | 79    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.429 | 0.464 | -8.2  | 83    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 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                 | 0.004 | 0.006 | -50.0# | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 1.160 | 1.135 | 2.2    | 80    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.477 | 0.550 | -15.3  | 87    | 0.00     |
| 52 CM | Toluene                     | 0.917 | 0.932 | -1.6#  | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.584 | 0.564 | 3.4    | 73    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.624 | 0.599 | 4.0    | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.354 | 0.378 | -6.8   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.555 | 0.604 | -8.8   | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.607 | 0.655 | -7.9   | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.227 | 0.278 | -22.5  | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.343 | 0.388 | -13.1  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.407 | 0.446 | -9.6   | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.360 | 0.396 | -10.0  | 84    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.440 | 0.436 | 0.9    | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.326 | 0.335 | -2.8   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 1.136 | 1.147 | -1.0   | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.410 | -4.6   | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.960 | 1.966 | -0.3#  | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.729 | 0.737 | -1.1   | 80    | 0.00     |
| 69 T  | o-Xylene                    | 0.706 | 0.722 | -2.3   | 80    | 0.00     |
| 70 T  | Styrene                     | 1.236 | 1.274 | -3.1   | 81    | 0.00     |
| 71 P  | Bromoform                   | 0.293 | 0.319 | -8.9   | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.801 | 3.659 | 3.7    | 78    | 0.00     |
| 74 T  | N-amyl acetate              | 1.733 | 1.774 | -2.4   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.150 | 1.237 | -7.6   | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.012 | 0.964 | 4.7    | 74    | 0.00     |
| 77 T  | Bromobenzene                | 0.936 | 0.928 | 0.9    | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 4.494 | 4.342 | 3.4    | 78    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.752 | 2.668 | 3.1    | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.123 | 3.042 | 2.6    | 79    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.397 | 0.312 | 21.4   | 65    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.251 | 3.126 | 3.8    | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.197 | 3.069 | 4.0    | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.166 | 3.079 | 2.7    | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.797 | 3.654 | 3.8    | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.215 | 3.071 | 4.5    | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.739 | 1.702 | 2.1    | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.785 | 1.726 | 3.3    | 81    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.975 | 2.833 | 4.8    | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 0.564 | 0.552 | 2.1    | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.657 | 1.670 | -0.8   | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.253 | -8.6   | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.077 | 1.031 | 4.3    | 77    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.366 | 0.348 | 4.9    | 78    | 0.00     |
| 95 T  | Naphthalene                 | 3.279 | 3.479 | -6.1   | 85    | 0.00     |

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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 | 1.002 | 1.021 | -1.9 | 81    | 0.00     |

(#) = Out of Range

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