

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082025\  
 Data File : VX047427.D  
 Acq On : 20 Aug 2025 09:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 21 01:24:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 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   | 93    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 0.637 | 0.619 | 2.8   | 79    | 0.00     |
| 3 P   | Chloromethane               | 0.573 | 0.524 | 8.6   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.720 | 0.671 | 6.8#  | 78    | 0.00     |
| 5 T   | Bromomethane                | 0.291 | 0.280 | 3.8   | 77    | 0.00     |
| 6 T   | Chloroethane                | 0.440 | 0.388 | 11.8  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.065 | 1.004 | 5.7   | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 0.375 | 0.367 | 2.1   | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.618 | 0.619 | -0.2  | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 1.058 | 0.791 | 25.2# | 63    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.061 | 0.070 | -14.8 | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.630 | 0.586 | 7.0#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 0.129 | 0.150 | -16.3 | 106   | 0.00     |
| 14 T  | Allyl chloride              | 1.093 | 1.054 | 3.6   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 0.294 | 0.311 | -5.8  | 85    | 0.00     |
| 16 T  | Acetone                     | 0.263 | 0.306 | -16.3 | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.900 | 1.634 | 14.0  | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 0.682 | 0.758 | -11.1 | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.915 | 1.920 | -0.3  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 0.697 | 0.654 | 6.2   | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.668 | 0.621 | 7.0   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.161 | 2.161 | 0.0   | 82    | -0.01    |
| 23 T  | Vinyl Acetate               | 1.772 | 1.804 | -1.8  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.222 | 1.158 | 5.2   | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 0.344 | 0.389 | -13.1 | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.922 | 0.885 | 4.0   | 81    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.778 | 0.733 | 5.8   | 81    | 0.00     |
| 28 T  | Bromochloromethane          | 0.508 | 0.535 | -5.3  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.223 | 0.232 | -4.0  | 88    | -0.01    |
| 30 C  | Chloroform                  | 1.247 | 1.188 | 4.7#  | 81    | 0.00     |
| 31 T  | Cyclohexane                 | 1.126 | 1.049 | 6.8   | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.073 | 1.016 | 5.3   | 79    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.700 | 0.747 | -6.7  | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.355 | -9.2  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.512 | 0.485 | 5.3   | 79    | -0.01    |
| 37 T  | Ethyl Acetate               | 0.532 | 0.538 | -1.1  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.560 | 0.532 | 5.0   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.639 | 0.615 | 3.8   | 81    | 0.00     |
| 40 TM | Benzene                     | 1.533 | 1.484 | 3.2   | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.224 | 0.220 | 1.8   | 78    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.543 | 0.539 | 0.7   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.764 | 0.786 | -2.9  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.368 | 6.4   | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.384 | 0.378 | 1.6#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 0.279 | 0.274 | 1.8   | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.578 | 0.576 | 0.3   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.397 | 0.406 | -2.3  | 83    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.004 | 0.005 | -25.0 | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 1.160 | 1.231 | -6.1  | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.440 | 0.471 | -7.0  | 84    | 0.00     |
| 52 CM | Toluene                     | 0.947 | 0.929 | 1.9#  | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.505 | 0.529 | -4.8  | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.571 | 0.580 | -1.6  | 82    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.360 | 0.361 | -0.3  | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.530 | 0.553 | -4.3  | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.613 | 0.620 | -1.1  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.211 | 0.262 | -24.2 | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.304 | 0.329 | -8.2  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.428 | 0.430 | -0.5  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.371 | 0.370 | 0.3   | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.428 | 0.465 | -8.6  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.362 | 0.335 | 7.5   | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 1.188 | 1.113 | 6.3   | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.402 | 0.383 | 4.7   | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.045 | 1.938 | 5.2#  | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.763 | 0.737 | 3.4   | 80    | 0.00     |
| 69 T  | o-Xylene                    | 0.734 | 0.703 | 4.2   | 81    | 0.00     |
| 70 T  | Styrene                     | 1.240 | 1.217 | 1.9   | 80    | 0.00     |
| 71 P  | Bromoform                   | 0.302 | 0.303 | -0.3  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.913 | 3.810 | 2.6   | 81    | 0.00     |
| 74 T  | N-amyl acetate              | 1.486 | 1.522 | -2.4  | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.149 | 1.148 | 0.1   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.917 | 0.931 | -1.5  | 86    | 0.00     |
| 77 T  | Bromobenzene                | 0.955 | 0.915 | 4.2   | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 4.673 | 4.544 | 2.8   | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.825 | 2.678 | 5.2   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.219 | 3.118 | 3.1   | 81    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.178 | 0.197 | -10.7 | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.330 | 3.164 | 5.0   | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.212 | 3.174 | 1.2   | 82    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.219 | 3.149 | 2.2   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.981 | 3.963 | 0.5   | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.369 | 3.312 | 1.7   | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.825 | 1.723 | 5.6   | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.877 | 1.739 | 7.4   | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.133 | 3.145 | -0.4  | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 0.591 | 0.583 | 1.4   | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.733 | 1.647 | 5.0   | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.222 | 0.224 | -0.9  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.161 | 1.121 | 3.4   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.413 | 0.427 | -3.4  | 99    | 0.00     |
| 95 T  | Naphthalene                 | 3.319 | 3.414 | -2.9  | 84    | 0.00     |

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Quant Title : SW846 8260  
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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 | 1.095 | 1.065 | 2.7  | 85    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6