

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV070225\  
 Data File : VV038849.D  
 Acq On : 02 Jul 2025 18:26  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 03 03:03:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 02:44:44 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.475 | 0.403 | 15.2  | 90    | 0.00     |
| 3 P   | Chloromethane               | 0.582 | 0.427 | 26.6# | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.542 | 0.459 | 15.3# | 91    | 0.00     |
| 5 T   | Bromomethane                | 0.330 | 0.300 | 9.1   | 98    | 0.00     |
| 6 T   | Chloroethane                | 0.363 | 0.306 | 15.7  | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.958 | 0.822 | 14.2  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 0.333 | 0.289 | 13.2  | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.542 | 0.483 | 10.9  | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 0.687 | 0.651 | 5.2   | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.073 | 0.075 | -2.7  | 108   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.515 | 0.441 | 14.4# | 95    | 0.00     |
| 13 T  | Acrolein                    | 0.018 | 0.017 | 5.6   | 104   | 0.00     |
| 14 T  | Allyl chloride              | 0.692 | 0.628 | 9.2   | 95    | 0.00     |
| 15 T  | Acrylonitrile               | 0.256 | 0.251 | 2.0   | 97    | 0.00     |
| 16 T  | Acetone                     | 0.187 | 0.195 | -4.3  | 109   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.193 | 0.987 | 17.3  | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 0.637 | 0.630 | 1.1   | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.592 | 1.536 | 3.5   | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.617 | 0.525 | 14.9  | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.515 | 0.454 | 11.8  | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.420 | 1.416 | 0.3   | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.024 | 1.033 | -0.9  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.957 | 0.850 | 11.2  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 0.276 | 0.292 | -5.8  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.887 | 0.736 | 17.0  | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.600 | 0.561 | 6.5   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 0.409 | 0.380 | 7.1   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.187 | 0.190 | -1.6  | 99    | 0.00     |
| 30 C  | Chloroform                  | 1.043 | 0.966 | 7.4#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 0.758 | 0.661 | 12.8  | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.968 | 0.865 | 10.6  | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.560 | 0.563 | -0.5  | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.317 | 0.325 | -2.5  | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.384 | 0.371 | 3.4   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.392 | 0.367 | 6.4   | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.506 | 0.479 | 5.3   | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.502 | 0.473 | 5.8   | 97    | 0.00     |
| 40 TM | Benzene                     | 1.269 | 1.196 | 5.8   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.168 | 0.172 | -2.4  | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.449 | 0.428 | 4.7   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.626 | 0.601 | 4.0   | 97    | 0.00     |
| 44 TM | Trichloroethene             | 0.331 | 0.314 | 5.1   | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.319 | 0.302 | 5.3#  | 97    | 0.00     |
| 46 T  | Dibromomethane              | 0.251 | 0.234 | 6.8   | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.532 | 0.492 | 7.5   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.297 | 0.292 | 1.7   | 99    | 0.00     |

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 ALS Vial : 23 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.004 | 0.005 | -25.0# | 116   | 0.00     |
| 50 S  | Toluene-d8                  | 1.025 | 1.054 | -2.8   | 109   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.395 | 0.411 | -4.1   | 100   | 0.00     |
| 52 CM | Toluene                     | 0.793 | 0.788 | 0.6#   | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.509 | 0.482 | 5.3    | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.521 | 0.511 | 1.9    | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.347 | 0.331 | 4.6    | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.456 | 0.474 | -3.9   | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.546 | 0.529 | 3.1    | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.207 | 0.157 | 24.2#  | 73    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.278 | 0.294 | -5.8   | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.437 | 0.409 | 6.4    | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.359 | 0.350 | 2.5    | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.414 | 0.445 | -7.5   | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.322 | 0.291 | 9.6    | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 1.054 | 0.963 | 8.6    | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.393 | 0.361 | 8.1    | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.651 | 1.624 | 1.6#   | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.632 | 0.651 | -3.0   | 97    | 0.00     |
| 69 T  | o-Xylene                    | 0.604 | 0.607 | -0.5   | 97    | 0.00     |
| 70 T  | Styrene                     | 1.055 | 1.092 | -3.5   | 96    | 0.00     |
| 71 P  | Bromoform                   | 0.320 | 0.312 | 2.5    | 98    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 2.934 | 2.891 | 1.5    | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 1.027 | 1.003 | 2.3    | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.064 | 0.952 | 10.5   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.774 | 0.720 | 7.0    | 97    | 0.00     |
| 77 T  | Bromobenzene                | 0.757 | 0.706 | 6.7    | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 3.492 | 3.443 | 1.4    | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.121 | 2.030 | 4.3    | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.509 | 2.517 | -0.3   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.363 | 0.327 | 9.9    | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.445 | 2.417 | 1.1    | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.602 | 2.517 | 3.3    | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.459 | 2.485 | -1.1   | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.313 | 3.279 | 1.0    | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.840 | 2.823 | 0.6    | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.539 | 1.404 | 8.8    | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.622 | 1.455 | 10.3   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.632 | 2.664 | -1.2   | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 0.617 | 0.546 | 11.5   | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.451 | 1.358 | 6.4    | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.225 | 0.214 | 4.9    | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.940 | 0.909 | 3.3    | 97    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.454 | 0.416 | 8.4    | 100   | 0.00     |
| 95 T  | Naphthalene                 | 2.991 | 3.048 | -1.9   | 98    | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.970 | 0.934 | 3.7  | 96    | 0.00     |

(#) = Out of Range

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