

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
 Data File : VX046050.D  
 Acq On : 06 May 2025 09:48  
 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 07 01:44:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.765 | 0.859 | -12.3 | 105   | 0.00     |
| 3 P   | Chloromethane               | 0.742 | 0.774 | -4.3  | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.691 | 0.694 | -0.4# | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.320 | 0.325 | -1.6  | 105   | 0.00     |
| 6 T   | Chloroethane                | 0.369 | 0.367 | 0.5   | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.021 | 1.063 | -4.1  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.347 | 0.330 | 4.9   | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.632 | 0.0   | 104   | 0.00     |
| 10 T  | Methyl Iodide               | 0.747 | 0.756 | -1.2  | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.131 | 0.124 | 5.3   | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.593 | 0.583 | 1.7#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 0.149 | 0.138 | 7.4   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 1.133 | 1.145 | -1.1  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 0.374 | 0.368 | 1.6   | 100   | 0.00     |
| 16 T  | Acetone                     | 0.374 | 0.399 | -6.7  | 116   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.406 | 1.452 | -3.3  | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 0.867 | 0.818 | 5.7   | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.079 | 2.056 | 1.1   | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 0.716 | 0.666 | 7.0   | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.596 | 0.589 | 1.2   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.189 | 2.170 | 0.9   | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.925 | 1.966 | -2.1  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.219 | 1.186 | 2.7   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 0.543 | 0.539 | 0.7   | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.954 | 0.972 | -1.9  | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.718 | 0.702 | 2.2   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 0.587 | 0.588 | -0.2  | 107   | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.340 | 0.327 | 3.8   | 98    | 0.00     |
| 30 C  | Chloroform                  | 1.271 | 1.237 | 2.7#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 1.111 | 1.091 | 1.8   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.101 | 1.109 | -0.7  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.932 | 0.875 | 6.1   | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.360 | 0.358 | 0.6   | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.484 | 0.485 | -0.2  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.598 | 0.592 | 1.0   | 99    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.544 | 0.559 | -2.8  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.623 | 0.642 | -3.0  | 102   | 0.00     |
| 40 TM | Benzene                     | 1.417 | 1.437 | -1.4  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.313 | 0.341 | -8.9  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.612 | 0.606 | 1.0   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.912 | 0.934 | -2.4  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 0.341 | 0.345 | -1.2  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.352 | 0.364 | -3.4# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 0.278 | 0.280 | -0.7  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.547 | 0.569 | -4.0  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.466 | 0.488 | -4.7  | 100   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

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|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.009 | 0.0   | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 1.246 | 1.235 | 0.9   | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.605 | 0.611 | -1.0  | 99    | 0.00     |
| 52 CM | Toluene                     | 0.869 | 0.871 | -0.2# | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.487 | 0.522 | -7.2  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.538 | 0.577 | -7.2  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.341 | 0.6   | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.546 | 0.576 | -5.5  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.615 | 0.606 | 1.5   | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.278 | 0.296 | -6.5  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.448 | 0.456 | -1.8  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.376 | 0.401 | -6.6  | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.356 | 0.358 | -0.6  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.478 | 0.474 | 0.8   | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.354 | 0.347 | 2.0   | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 1.094 | 1.081 | 1.2   | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.374 | 0.379 | -1.3  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.929 | 1.984 | -2.9# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.723 | -2.4  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 0.688 | 0.699 | -1.6  | 98    | 0.00     |
| 70 T  | Styrene                     | 1.127 | 1.202 | -6.7  | 101   | 0.00     |
| 71 P  | Bromoform                   | 0.281 | 0.298 | -6.0  | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.893 | 4.004 | -2.9  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 1.924 | 1.957 | -1.7  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.364 | 1.284 | 5.9   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.204 | 1.155 | 4.1   | 102   | 0.00     |
| 77 T  | Bromobenzene                | 0.904 | 0.912 | -0.9  | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 4.526 | 4.733 | -4.6  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.919 | 2.882 | 1.3   | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.252 | 3.378 | -3.9  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.370 | 0.385 | -4.1  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.238 | 3.332 | -2.9  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.276 | 3.350 | -2.3  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.293 | 3.430 | -4.2  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.022 | 4.200 | -4.4  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.320 | 3.502 | -5.5  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.649 | 1.684 | -2.1  | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.684 | 1.660 | 1.4   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.912 | 3.185 | -9.4  | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 0.585 | 0.621 | -6.2  | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.655 | 1.664 | -0.5  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.302 | 0.304 | -0.7  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.951 | 0.988 | -3.9  | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.415 | 0.419 | -1.0  | 103   | 0.00     |
| 95 T  | Naphthalene                 | 3.487 | 3.435 | 1.5   | 99    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.981 | 0.982 | -0.1 | 101   | 0.00     |

(#) = Out of Range

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