

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040325\  
 Data File : VX045584.D  
 Acq On : 03 Apr 2025 20:15  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 04 01:30:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.748 | 0.824 | -10.2 | 95    | 0.00     |
| 3 P   | Chloromethane               | 0.768 | 0.805 | -4.8  | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.703 | 0.735 | -4.6# | 97    | 0.00     |
| 5 T   | Bromomethane                | 0.333 | 0.330 | 0.9   | 95    | 0.00     |
| 6 T   | Chloroethane                | 0.373 | 0.412 | -10.5 | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.048 | 1.121 | -7.0  | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 0.352 | 0.368 | -4.5  | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.631 | -2.8  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.766 | 0.795 | -3.8  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.123 | 0.129 | -4.9  | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.600 | 0.624 | -4.0# | 98    | 0.00     |
| 13 T  | Acrolein                    | 0.169 | 0.201 | -18.9 | 114   | 0.00     |
| 14 T  | Allyl chloride              | 1.139 | 1.199 | -5.3  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 0.388 | 0.418 | -7.7  | 97    | 0.00     |
| 16 T  | Acetone                     | 0.375 | 0.394 | -5.1  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.483 | 1.479 | 0.3   | 90    | 0.00     |
| 18 T  | Methyl Acetate              | 0.864 | 0.910 | -5.3  | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.100 | 2.202 | -4.9  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 0.703 | 0.725 | -3.1  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.613 | 0.629 | -2.6  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.243 | 2.415 | -7.7  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.938 | 2.132 | -10.0 | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.269 | 1.302 | -2.6  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.550 | 0.597 | -8.5  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.820 | 0.812 | 1.0   | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.747 | 0.753 | -0.8  | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 0.613 | 0.623 | -1.6  | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.356 | 0.382 | -7.3  | 98    | 0.00     |
| 30 C  | Chloroform                  | 1.306 | 1.358 | -4.0# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 1.122 | 1.158 | -3.2  | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.105 | 1.162 | -5.2  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.914 | 0.938 | -2.6  | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.355 | 0.360 | -1.4  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.499 | -4.2  | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.604 | 0.637 | -5.5  | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.518 | 0.553 | -6.8  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.587 | 0.600 | -2.2  | 93    | 0.00     |
| 40 TM | Benzene                     | 1.463 | 1.510 | -3.2  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.318 | 0.357 | -12.3 | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.604 | 0.640 | -6.0  | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.915 | 0.972 | -6.2  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.355 | -2.0  | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.382 | -4.7# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 0.280 | 0.295 | -5.4  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.560 | 0.583 | -4.1  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.472 | 0.522 | -10.6 | 99    | 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: Apr 04 01:30:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 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 | 0.010 | -11.1 | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 1.238 | 1.251 | -1.1  | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.606 | 0.674 | -11.2 | 98    | 0.00     |
| 52 CM | Toluene                     | 0.885 | 0.921 | -4.1# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.467 | 0.502 | -7.5  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.526 | 0.563 | -7.0  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.353 | 0.368 | -4.2  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.546 | 0.594 | -8.8  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.614 | 0.646 | -5.2  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.276 | 0.296 | -7.2  | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.449 | 0.498 | -10.9 | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.385 | 0.411 | -6.8  | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.357 | 0.379 | -6.2  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.451 | 0.467 | -3.5  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.353 | 0.345 | 2.3   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 1.068 | 1.090 | -2.1  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.371 | 0.376 | -1.3  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.914 | 2.006 | -4.8# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.696 | 0.728 | -4.6  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 0.686 | 0.718 | -4.7  | 97    | 0.00     |
| 70 T  | Styrene                     | 1.132 | 1.211 | -7.0  | 97    | 0.00     |
| 71 P  | Bromoform                   | 0.277 | 0.291 | -5.1  | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.005 | 4.121 | -2.9  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.916 | 2.052 | -7.1  | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.407 | 1.389 | 1.3   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.220 | 1.202 | 1.5   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 0.925 | 0.943 | -1.9  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 4.613 | 4.857 | -5.3  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.949 | 3.023 | -2.5  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.312 | 3.501 | -5.7  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.359 | 0.349 | 2.8   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.288 | 3.430 | -4.3  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.279 | 3.450 | -5.2  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.324 | 3.563 | -7.2  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.027 | 4.271 | -6.1  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.320 | 3.497 | -5.3  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.684 | 1.711 | -1.6  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.708 | 1.686 | 1.3   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.879 | 3.060 | -6.3  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.617 | -8.1  | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.675 | 1.683 | -0.5  | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.294 | 0.311 | -5.8  | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.948 | -1.7  | 97    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.402 | 0.388 | 3.5   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 3.469 | 3.537 | -2.0  | 92    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 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 | 0.976 | 0.973 | 0.3  | 95    | 0.00     |

(#) = Out of Range

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