

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041525\  
 Data File : VX045795.D  
 Acq On : 15 Apr 2025 16:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 16 01:40:15 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   | 199#  | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 0.748 | 0.446 | 40.4# | 108   | 0.00     |
| 3 P   | Chloromethane               | 0.768 | 0.406 | 47.1# | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.703 | 0.384 | 45.4# | 107   | 0.00     |
| 5 T   | Bromomethane                | 0.333 | 0.172 | 48.3# | 104   | 0.00     |
| 6 T   | Chloroethane                | 0.373 | 0.218 | 41.6# | 109   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.048 | 0.629 | 40.0# | 115   | 0.00     |
| 8 T   | Diethyl Ether               | 0.352 | 0.201 | 42.9# | 113   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.382 | 37.8# | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 0.766 | 0.440 | 42.6# | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.123 | 0.071 | 42.3# | 112   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.600 | 0.338 | 43.7# | 111   | 0.00     |
| 13 T  | Acrolein                    | 0.169 | 0.031 | 81.7# | 36#   | 0.00     |
| 14 T  | Allyl chloride              | 1.139 | 0.684 | 39.9# | 116   | 0.00     |
| 15 T  | Acrylonitrile               | 0.388 | 0.223 | 42.5# | 109   | 0.00     |
| 16 T  | Acetone                     | 0.375 | 0.214 | 42.9# | 113   | -0.01    |
| 17 T  | Carbon Disulfide            | 1.483 | 0.742 | 50.0# | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 0.864 | 0.586 | 32.2# | 136   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.100 | 1.273 | 39.4# | 120   | 0.00     |
| 20 T  | Methylene Chloride          | 0.703 | 0.394 | 44.0# | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.613 | 0.346 | 43.6# | 110   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.243 | 1.346 | 40.0# | 117   | -0.01    |
| 23 T  | Vinyl Acetate               | 1.938 | 1.166 | 39.8# | 111   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.269 | 0.725 | 42.9# | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 0.550 | 0.320 | 41.8# | 109   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 0.820 | 0.576 | 29.8# | 135   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.747 | 0.423 | 43.4# | 112   | 0.00     |
| 28 T  | Bromochloromethane          | 0.613 | 0.354 | 42.3# | 118   | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.356 | 0.198 | 44.4# | 106   | -0.01    |
| 30 C  | Chloroform                  | 1.306 | 0.757 | 42.0# | 115   | 0.00     |
| 31 T  | Cyclohexane                 | 1.122 | 0.619 | 44.8# | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.105 | 0.661 | 40.2# | 119   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.914 | 0.902 | 1.3   | 207#  | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 203#  | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.355 | 0.362 | -2.0  | 213#  | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.269 | 43.8# | 113   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.604 | 0.337 | 44.2# | 110   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.518 | 0.307 | 40.7# | 116   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.587 | 0.339 | 42.2# | 111   | 0.00     |
| 40 TM | Benzene                     | 1.463 | 0.798 | 45.5# | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.318 | 0.193 | 39.3# | 112   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.604 | 0.347 | 42.5# | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.915 | 0.532 | 41.9# | 111   | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.193 | 44.5# | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.206 | 43.6# | 111   | 0.00     |
| 46 T  | Dibromomethane              | 0.280 | 0.156 | 44.3# | 109   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.560 | 0.327 | 41.6# | 116   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.472 | 0.278 | 41.1# | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 16 01:40:15 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 | 0.005 | 44.4# | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.238 | 1.222 | 1.3   | 204#  | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.606 | 0.346 | 42.9# | 106   | 0.00     |
| 52 CM | Toluene                     | 0.885 | 0.486 | 45.1# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.467 | 0.299 | 36.0# | 120   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.526 | 0.328 | 37.6# | 117   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.353 | 0.195 | 44.8# | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.546 | 0.329 | 39.7# | 111   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.614 | 0.342 | 44.3# | 110   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.276 | 0.187 | 32.2# | 128   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.449 | 0.258 | 42.5# | 107   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.385 | 0.231 | 40.0# | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.357 | 0.203 | 43.1# | 111   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.451 | 0.474 | -5.1  | 213#  | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 199#  | 0.00     |
| 64 T  | Tetrachloroethene           | 0.353 | 0.199 | 43.6# | 114   | 0.00     |
| 65 PM | Chlorobenzene               | 1.068 | 0.607 | 43.2# | 111   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.371 | 0.212 | 42.9# | 113   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.914 | 1.108 | 42.1# | 110   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.696 | 0.401 | 42.4# | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.686 | 0.393 | 42.7# | 109   | 0.00     |
| 70 T  | Styrene                     | 1.132 | 0.663 | 41.4# | 108   | 0.00     |
| 71 P  | Bromoform                   | 0.277 | 0.167 | 39.7# | 113   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 205#  | 0.00     |
| 73 T  | Isopropylbenzene            | 4.005 | 2.259 | 43.6# | 111   | 0.00     |
| 74 T  | N-amyl acetate              | 1.916 | 1.103 | 42.4# | 110   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.407 | 0.738 | 47.5# | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.220 | 0.675 | 44.7# | 113   | 0.00     |
| 77 T  | Bromobenzene                | 0.925 | 0.498 | 46.2# | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 4.613 | 2.624 | 43.1# | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.949 | 1.598 | 45.8# | 110   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.312 | 1.890 | 42.9# | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.359 | 0.213 | 40.7# | 118   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.288 | 1.862 | 43.4# | 111   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.279 | 1.895 | 42.2# | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.324 | 1.884 | 43.3# | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.027 | 2.371 | 41.1# | 113   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.320 | 1.978 | 40.4# | 115   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.684 | 0.934 | 44.5# | 113   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.708 | 0.941 | 44.9# | 113   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.879 | 1.806 | 37.3# | 117   | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.347 | 39.2# | 119   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.675 | 0.931 | 44.4# | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.294 | 0.176 | 40.1# | 115   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.575 | 38.3# | 125   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.402 | 0.244 | 39.3# | 124   | 0.00     |
| 95 T  | Naphthalene                 | 3.469 | 2.018 | 41.8# | 111   | 0.00     |

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 16 01:40:15 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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.976 | 0.572 | 41.4# | 117   | 0.00     |

(#) = Out of Range

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