

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010625\  
 Data File : VX044583.D  
 Acq On : 06 Jan 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 06 16:02:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 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    | 111   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.773 | 0.749 | 3.1    | 106   | 0.00     |
| 3 P   | Chloromethane               | 0.739 | 0.697 | 5.7    | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.770 | 0.718 | 6.8#   | 102   | 0.00     |
| 5 T   | Bromomethane                | 0.546 | 0.500 | 8.4    | 101   | 0.00     |
| 6 T   | Chloroethane                | 0.480 | 0.424 | 11.7   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.508 | 1.348 | 10.6   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 0.515 | 0.476 | 7.6    | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.679 | -11.3  | 123   | 0.00     |
| 10 T  | Methyl Iodide               | 0.804 | 0.872 | -8.5   | 115   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.124 | 0.110 | 11.3   | 102   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.560 | 0.655 | -17.0# | 123   | 0.00     |
| 13 T  | Acrolein                    | 0.179 | 0.219 | -22.3  | 132   | 0.00     |
| 14 T  | Allyl chloride              | 0.933 | 0.969 | -3.9   | 107   | 0.00     |
| 15 T  | Acrylonitrile               | 0.342 | 0.315 | 7.9    | 98    | 0.00     |
| 16 T  | Acetone                     | 0.357 | 0.302 | 15.4   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.065 | 1.367 | -28.4# | 132   | 0.00     |
| 18 T  | Methyl Acetate              | 0.922 | 0.848 | 8.0    | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.187 | 2.115 | 3.3    | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 0.671 | 0.672 | -0.1   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.596 | 0.624 | -4.7   | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.102 | 2.009 | 4.4    | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.709 | 1.781 | -4.2   | 104   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.172 | 1.173 | -0.1   | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.443 | 12.8   | 90    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.952 | 1.070 | -12.4  | 114   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.756 | 0.761 | -0.7   | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 0.575 | 0.555 | 3.5    | 104   | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.326 | 0.282 | 13.5   | 93    | 0.00     |
| 30 C  | Chloroform                  | 1.316 | 1.286 | 2.3#   | 107   | 0.00     |
| 31 T  | Cyclohexane                 | 0.946 | 0.966 | -2.1   | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.093 | 1.135 | -3.8   | 108   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.877 | 0.783 | 10.7   | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.346 | 0.392 | -13.3  | 104   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.448 | 0.518 | -15.6  | 113   | -0.01    |
| 37 T  | Ethyl Acetate               | 0.553 | 0.552 | 0.2    | 92    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.482 | 0.600 | -24.5  | 116   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.535 | 0.678 | -26.7# | 119   | 0.00     |
| 40 TM | Benzene                     | 1.359 | 1.581 | -16.3  | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.294 | 0.298 | -1.4   | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.560 | 0.603 | -7.7   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.865 | 0.904 | -4.5   | 96    | 0.00     |
| 44 TM | Trichloroethene             | 0.339 | 0.417 | -23.0  | 116   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.347 | 0.385 | -11.0# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.309 | -14.9  | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.465 | 0.577 | -24.1  | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.420 | 0.434 | -3.3   | 95    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 06 16:02:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 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                 | 0.007 | 0.006 | 14.3   | 83    | -0.01    |
| 50 S  | Toluene-d8                  | 1.168 | 1.261 | -8.0   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.556 | 0.553 | 0.5    | 91    | 0.00     |
| 52 CM | Toluene                     | 0.853 | 0.979 | -14.8# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.455 | 0.591 | -29.9# | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.507 | 0.640 | -26.2# | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.339 | 0.389 | -14.7  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.535 | 0.598 | -11.8  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.590 | 0.650 | -10.2  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.270 | 0.242 | 10.4   | 80    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.407 | -1.0   | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.326 | 0.435 | -33.4# | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.345 | 0.409 | -18.6  | 108   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.408 | 0.457 | -12.0  | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.332 | 0.427 | -28.6# | 125   | 0.00     |
| 65 PM | Chlorobenzene               | 1.071 | 1.278 | -19.3  | 110   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.344 | 0.447 | -29.9# | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.851 | 2.216 | -19.7# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.679 | 0.831 | -22.4  | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.687 | 0.825 | -20.1  | 110   | 0.00     |
| 70 T  | Styrene                     | 1.102 | 1.325 | -20.2  | 107   | 0.00     |
| 71 P  | Bromoform                   | 0.219 | 0.335 | -53.0# | 127   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.828 | 4.238 | -10.7  | 110   | 0.00     |
| 74 T  | N-amyl acetate              | 1.769 | 1.868 | -5.6   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.329 | 1.381 | -3.9   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.116 | 1.129 | -1.2   | 102   | 0.00     |
| 77 T  | Bromobenzene                | 0.928 | 1.051 | -13.3  | 113   | 0.00     |
| 78 T  | n-propylbenzene             | 4.231 | 4.879 | -15.3  | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.736 | 2.912 | -6.4   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.174 | 3.534 | -11.3  | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.347 | 0.415 | -19.6  | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.030 | 3.365 | -11.1  | 109   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.137 | 3.676 | -17.2  | 114   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.117 | 3.610 | -15.8  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.808 | 4.402 | -15.6  | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.170 | 3.740 | -18.0  | 113   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.621 | 1.969 | -21.5  | 118   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.667 | 1.945 | -16.7  | 118   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.665 | 3.291 | -23.5  | 117   | 0.00     |
| 90 T  | Hexachloroethane            | 0.463 | 0.639 | -38.0# | 128   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.683 | 1.976 | -17.4  | 116   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.279 | -8.1   | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.923 | 1.282 | -38.9# | 133   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.371 | 0.551 | -48.5# | 151#  | 0.00     |
| 95 T  | Naphthalene                 | 3.603 | 4.772 | -32.4# | 126   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 06 16:02:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
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 | 0.979 | 1.357 | -38.6# | 135   | 0.00     |

(#) = Out of Range

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