

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120222\  
 Data File : VX033204.D  
 Acq On : 02 Dec 2022 22:20  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 05 00:59:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 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     | 69    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.382 | 0.208 | 45.5#   | 39#   | 0.00     |
| 3 P   | Chloromethane               | 0.412 | 0.446 | -8.3    | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.459 | 0.439 | 4.4#    | 68    | 0.00     |
| 5 T   | Bromomethane                | 0.340 | 0.428 | -25.9#  | 93    | 0.01     |
| 6 T   | Chloroethane                | 0.374 | 0.447 | -19.5   | 81    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.891 | 0.709 | 20.4    | 56    | 0.00     |
| 8 T   | Diethyl Ether               | 0.281 | 0.433 | -54.1#  | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.468 | 0.337 | 28.0#   | 50#   | 0.00     |
| 10 T  | Methyl Iodide               | 0.536 | 0.606 | -13.1   | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.077 | 0.095 | -23.4   | 85    | 0.04     |
| 12 CM | 1,1-Dichloroethene          | 0.436 | 0.447 | -2.5#   | 71    | 0.00     |
| 13 T  | Acrolein                    | 0.089 | 0.182 | -104.5# | 148   | 0.00     |
| 14 T  | Allyl chloride              | 0.704 | 0.897 | -27.4#  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 0.218 | 0.352 | -61.5#  | 113   | 0.00     |
| 16 T  | Acetone                     | 0.227 | 0.306 | -34.8#  | 93    | 0.02     |
| 17 T  | Carbon Disulfide            | 1.205 | 1.001 | 16.9    | 60    | 0.00     |
| 18 T  | Methyl Acetate              | 0.629 | 1.034 | -64.4#  | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.513 | 2.368 | -56.5#  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 0.548 | 0.693 | -26.5#  | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.499 | 0.560 | -12.2   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.534 | 2.372 | -54.6#  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.201 | 1.889 | -57.3#  | 103   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.878 | 1.175 | -33.8#  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.314 | 0.486 | -54.8#  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.706 | 0.714 | -1.1    | 68    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.766 | -35.1#  | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 0.386 | 0.524 | -35.8#  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.199 | 0.320 | -60.8#  | 112   | 0.01     |
| 30 C  | Chloroform                  | 0.983 | 1.382 | -40.6#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 0.789 | 0.540 | 31.6#   | 46#   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.880 | 0.976 | -10.9   | 74    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.539 | 0.624 | -15.8   | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0     | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.282 | 0.293 | -3.9    | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.451 | 0.367 | 18.6    | 63    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.393 | 0.549 | -39.7#  | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.410 | 18.0    | 63    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.514 | 0.302 | 41.2#   | 45#   | 0.00     |
| 40 TM | Benzene                     | 1.264 | 1.419 | -12.3   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.221 | 0.322 | -45.7#  | 112   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.509 | 0.668 | -31.2#  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.650 | 0.922 | -41.8#  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 0.355 | 0.336 | 5.4     | 72    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.312 | 0.392 | -25.6#  | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.244 | 0.313 | -28.3#  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.471 | 0.595 | -26.3#  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.335 | 0.472 | -40.9#  | 108   | 0.00     |

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Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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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                 | 0.006 | 0.010 | -66.7# | 121   | 0.04     |
| 50 S  | Toluene-d8                  | 0.915 | 0.729 | 20.3   | 69    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.401 | 0.586 | -46.1# | 111   | 0.00     |
| 52 CM | Toluene                     | 0.831 | 0.860 | -3.5#  | 78    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.462 | 0.601 | -30.1# | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.508 | 0.628 | -23.6  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.338 | 0.452 | -33.7# | 104   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.466 | 0.670 | -43.8# | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.546 | 0.719 | -31.7# | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.221 | 0.292 | -32.1# | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.296 | 0.428 | -44.6# | 107   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.364 | 0.471 | -29.4# | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.357 | 0.478 | -33.9# | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.370 | 0.325 | 12.2   | 70    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 77    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.354 | 0.272 | 23.2   | 60    | 0.00     |
| 65 PM | Chlorobenzene               | 0.997 | 1.043 | -4.6   | 79    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.365 | 0.447 | -22.5  | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.768 | 1.665 | 5.8#   | 68    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.692 | 0.638 | 7.8    | 67    | 0.00     |
| 69 T  | o-Xylene                    | 0.670 | 0.678 | -1.2   | 73    | 0.00     |
| 70 T  | Styrene                     | 1.096 | 1.191 | -8.7   | 76    | 0.00     |
| 71 P  | Bromoform                   | 0.280 | 0.377 | -34.6# | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.573 | 3.418 | 4.3    | 62    | 0.00     |
| 74 T  | N-amyl acetate              | 1.215 | 1.907 | -57.0# | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.078 | 1.633 | -51.5# | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.947 | 1.466 | -54.8# | 102   | 0.00     |
| 77 T  | Bromobenzene                | 0.879 | 1.042 | -18.5  | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 4.085 | 3.719 | 9.0    | 58    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.481 | 2.586 | -4.2   | 69    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.002 | 2.995 | 0.2    | 63    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.291 | 0.427 | -46.7# | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.908 | 2.961 | -1.8   | 66    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.988 | 2.944 | 1.5    | 63    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.993 | 3.040 | -1.6   | 64    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.574 | 3.079 | 13.9   | 54    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.028 | 2.698 | 10.9   | 56    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.648 | 1.721 | -4.4   | 69    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.688 | 1.732 | -2.6   | 68    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.609 | 2.144 | 17.8   | 51    | 0.00     |
| 90 T  | Hexachloroethane            | 0.498 | 0.457 | 8.2    | 59    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.603 | 1.846 | -15.2  | 75    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.215 | 0.332 | -54.4# | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.988 | 1.052 | -6.5   | 69    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.436 | 0.305 | 30.0#  | 48#   | 0.00     |
| 95 T  | Naphthalene                 | 3.197 | 4.358 | -36.3# | 88    | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.991 | 1.121 | -13.1 | 73    | 0.00     |

(#) = Out of Range

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