

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051823\  
 Data File : VX035750.D  
 Acq On : 18 May 2023 18:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 19 05:47:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 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    | 67    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.652 | 0.666 | -2.1   | 70    | 0.00     |
| 3 P   | Chloromethane               | 0.791 | 0.859 | -8.6   | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.671 | 0.770 | -14.8# | 81    | 0.00     |
| 5 T   | Bromomethane                | 0.363 | 0.496 | -36.6# | 100   | 0.00     |
| 6 T   | Chloroethane                | 0.407 | 0.503 | -23.6  | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.987 | 0.952 | 3.5    | 67    | 0.00     |
| 8 T   | Diethyl Ether               | 0.380 | 0.494 | -30.0# | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.586 | 0.585 | 0.2    | 72    | 0.00     |
| 10 T  | Methyl Iodide               | 0.524 | 0.763 | -45.6# | 105   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.154 | 0.189 | -22.7  | 88    | 0.09     |
| 12 CM | 1,1-Dichloroethene          | 0.557 | 0.609 | -9.3#  | 77    | 0.00     |
| 13 T  | Acrolein                    | 0.183 | 0.208 | -13.7  | 85    | 0.00     |
| 14 T  | Allyl chloride              | 1.193 | 1.395 | -16.9  | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 0.339 | 0.464 | -36.9# | 98    | 0.00     |
| 16 T  | Acetone                     | 0.375 | 0.459 | -22.4  | 92    | 0.01     |
| 17 T  | Carbon Disulfide            | 1.344 | 1.246 | 7.3    | 64    | 0.00     |
| 18 T  | Methyl Acetate              | 1.383 | 1.971 | -42.5# | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.216 | 2.855 | -28.8# | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 0.679 | 0.846 | -24.6  | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.610 | 0.718 | -17.7  | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.336 | 2.989 | -28.0# | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.653 | 2.159 | -30.6# | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.249 | 1.564 | -25.2# | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 0.519 | 0.685 | -32.0# | 96    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 1.058 | 1.166 | -10.2  | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.733 | 0.900 | -22.8  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.562 | 0.733 | -30.4# | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.326 | 0.437 | -34.0# | 98    | 0.00     |
| 30 C  | Chloroform                  | 1.280 | 1.627 | -27.1# | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 1.102 | 1.094 | 0.7    | 71    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.114 | 1.266 | -13.6  | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.872 | 1.159 | -32.9# | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 73    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.337 | 0.401 | -19.0  | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.532 | 0.541 | -1.7   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.555 | 0.689 | -24.1  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.504 | 0.493 | 2.2    | 75    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.627 | 0.542 | 13.6   | 66    | 0.00     |
| 40 TM | Benzene                     | 1.489 | 1.696 | -13.9  | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.330 | 0.413 | -25.2# | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.641 | 0.765 | -19.3  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.968 | 1.150 | -18.8  | 93    | 0.00     |
| 44 TM | Trichloroethene             | 0.378 | 0.403 | -6.6   | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.394 | 0.465 | -18.0# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 0.270 | 0.322 | -19.3  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.522 | 0.594 | -13.8  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.478 | 0.590 | -23.4  | 96    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 19 05:47:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 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                 | 0.010 | 0.011 | -10.0  | 95    | 0.04     |
| 50 S  | Toluene-d8                  | 1.246 | 1.424 | -14.3  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.558 | 0.704 | -26.2# | 98    | 0.00     |
| 52 CM | Toluene                     | 0.940 | 1.044 | -11.1# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.567 | 0.664 | -17.1  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.607 | 0.713 | -17.5  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.369 | 0.449 | -21.7  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.598 | 0.724 | -21.1  | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.669 | 0.803 | -20.0  | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.304 | 0.373 | -22.7  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.420 | 0.530 | -26.2# | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.352 | 0.410 | -16.5  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.389 | 0.468 | -20.3  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.502 | 0.588 | -17.1  | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.337 | 0.326 | 3.3    | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 1.091 | 1.201 | -10.1  | 89    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.386 | 0.428 | -10.9  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.053 | 2.202 | -7.3#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.759 | 0.817 | -7.6   | 86    | 0.00     |
| 69 T  | o-Xylene                    | 0.753 | 0.821 | -9.0   | 88    | 0.00     |
| 70 T  | Styrene                     | 1.213 | 1.375 | -13.4  | 90    | 0.00     |
| 71 P  | Bromoform                   | 0.254 | 0.271 | -6.7   | 83    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.213 | 4.412 | -4.7   | 84    | 0.00     |
| 74 T  | N-amyl acetate              | 1.964 | 2.190 | -11.5  | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.367 | 1.558 | -14.0  | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.223 | 1.508 | -23.3  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 0.956 | 1.042 | -9.0   | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 4.953 | 5.171 | -4.4   | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.101 | 3.360 | -8.4   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.581 | 3.830 | -7.0   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.379 | 0.420 | -10.8  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.571 | 3.850 | -7.8   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.481 | 3.540 | -1.7   | 83    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.596 | 3.911 | -8.8   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.370 | 4.277 | 2.1    | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.593 | 3.643 | -1.4   | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.817 | 1.930 | -6.2   | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.834 | 1.945 | -6.1   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.268 | 3.157 | 3.4    | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 0.545 | 0.543 | 0.4    | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.779 | 1.909 | -7.3   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.304 | 0.342 | -12.5  | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.071 | 1.084 | -1.2   | 80    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.425 | 0.354 | 16.7   | 66    | 0.00     |
| 95 T  | Naphthalene                 | 3.668 | 4.068 | -10.9  | 88    | 0.00     |

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Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
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 | 1.053 | 1.098 | -4.3 | 82    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6