

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080824\  
 Data File : VX042984.D  
 Acq On : 09 Aug 2024 09:52  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 09 14:57:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 07 02:55:22 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    | 69    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.539 | 0.503 | 6.7    | 63    | 0.00     |
| 3 P   | Chloromethane               | 0.587 | 0.712 | -21.3  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.557 | 0.645 | -15.8# | 81    | 0.00     |
| 5 T   | Bromomethane                | 0.337 | 0.413 | -22.6  | 90    | 0.00     |
| 6 T   | Chloroethane                | 0.317 | 0.362 | -14.2  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.866 | 0.729 | 15.8   | 57    | 0.00     |
| 8 T   | Diethyl Ether               | 0.319 | 0.402 | -26.0# | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.425 | 22.0   | 55    | 0.00     |
| 10 T  | Methyl Iodide               | 0.563 | 0.786 | -39.6# | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.137 | 0.177 | -29.2# | 83    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.551 | 0.556 | -0.9#  | 72    | 0.00     |
| 13 T  | Acrolein                    | 0.135 | 0.180 | -33.3# | 92    | 0.00     |
| 14 T  | Allyl chloride              | 0.833 | 0.984 | -18.1  | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 0.348 | 0.460 | -32.2# | 93    | 0.00     |
| 16 T  | Acetone                     | 0.298 | 0.395 | -32.6# | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.341 | 1.246 | 7.1    | 66    | 0.00     |
| 18 T  | Methyl Acetate              | 0.944 | 1.302 | -37.9# | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.855 | 2.374 | -28.0# | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 0.705 | 0.766 | -8.7   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.554 | 0.602 | -8.7   | 75    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.829 | 2.350 | -28.5# | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.076 | 2.672 | -28.7# | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.052 | 1.279 | -21.6  | 85    | 0.00     |
| 25 T  | 2-Butanone                  | 0.468 | 0.635 | -35.7# | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.647 | 0.436 | 32.6#  | 47#   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.658 | 0.784 | -19.1  | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 0.404 | 0.494 | -22.3  | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.316 | 0.415 | -31.3# | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.101 | 1.328 | -20.6# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 0.859 | 0.640 | 25.5#  | 51    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.970 | 1.011 | -4.2   | 72    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.686 | 0.924 | -34.7# | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 77    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.327 | 0.379 | -15.9  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.443 | 0.365 | 17.6   | 65    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.555 | 0.657 | -18.4  | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.424 | 15.2   | 66    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.527 | 0.335 | 36.4#  | 47#   | 0.00     |
| 40 TM | Benzene                     | 1.376 | 1.446 | -5.1   | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.286 | 0.347 | -21.3  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.500 | 0.569 | -13.8  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.820 | 0.984 | -20.0  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 0.346 | 0.318 | 8.1    | 72    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.349 | 0.377 | -8.0#  | 83    | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.287 | -12.1  | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.476 | 0.537 | -12.8  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.393 | 0.488 | -24.2  | 91    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 09 14:57:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 07 02:55:22 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                 | 0.009 | 0.011 | -22.2 | 97    | 0.00     |
| 50 S  | Toluene-d8                  | 1.161 | 1.211 | -4.3  | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.549 | 0.685 | -24.8 | 95    | 0.00     |
| 52 CM | Toluene                     | 0.834 | 0.827 | 0.8#  | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.440 | 0.461 | -4.8  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.486 | 0.504 | -3.7  | 77    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.339 | 0.390 | -15.0 | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.546 | 0.648 | -18.7 | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.556 | 0.635 | -14.2 | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.257 | 0.321 | -24.9 | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.426 | 0.527 | -23.7 | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.373 | 0.413 | -10.7 | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.358 | 0.403 | -12.6 | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.417 | 0.432 | -3.6  | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.348 | 0.300 | 13.8  | 66    | 0.00     |
| 65 PM | Chlorobenzene               | 1.061 | 1.029 | 3.0   | 76    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.366 | 0.392 | -7.1  | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.785 | 1.645 | 7.8#  | 70    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.681 | 0.623 | 8.5   | 69    | 0.00     |
| 69 T  | o-Xylene                    | 0.683 | 0.658 | 3.7   | 73    | 0.00     |
| 70 T  | Styrene                     | 1.098 | 1.147 | -4.5  | 76    | 0.00     |
| 71 P  | Bromoform                   | 0.286 | 0.333 | -16.4 | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 75    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.615 | 3.205 | 11.3  | 66    | 0.00     |
| 74 T  | N-amyl acetate              | 1.627 | 2.019 | -24.1 | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.324 | 1.545 | -16.7 | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.124 | 1.239 | -10.2 | 88    | 0.00     |
| 77 T  | Bromobenzene                | 0.920 | 0.948 | -3.0  | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 4.015 | 3.423 | 14.7  | 61    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.574 | 2.434 | 5.4   | 71    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.993 | 2.769 | 7.5   | 67    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.346 | 0.355 | -2.6  | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.893 | 2.760 | 4.6   | 71    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.076 | 2.636 | 14.3  | 64    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.013 | 2.885 | 4.2   | 69    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.622 | 3.028 | 16.4  | 60    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.009 | 2.569 | 14.6  | 60    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.664 | 1.580 | 5.0   | 72    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.706 | 1.607 | 5.8   | 74    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.596 | 2.064 | 20.5  | 57    | 0.00     |
| 90 T  | Hexachloroethane            | 0.550 | 0.462 | 16.0  | 63    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.666 | 1.714 | -2.9  | 78    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.291 | 0.348 | -19.6 | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.017 | 0.940 | 7.6   | 69    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.431 | 0.306 | 29.0# | 53    | 0.00     |
| 95 T  | Naphthalene                 | 3.518 | 4.022 | -14.3 | 83    | 0.00     |

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ALS Vial : 53 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 09 14:57:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 07 02:55:22 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 | 1.023 | 1.050 | -2.6 | 75    | 0.00     |

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