

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060424\  
 Data File : VX041734.D  
 Acq On : 04 Jun 2024 17:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 05 04:57:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 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     | 0.439 | 0.487 | -10.9  | 120   | 0.00     |
| 3 P   | Chloromethane               | 0.479 | 0.489 | -2.1   | 119   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.493 | 0.513 | -4.1#  | 118   | 0.00     |
| 5 T   | Bromomethane                | 0.344 | 0.350 | -1.7   | 113   | 0.00     |
| 6 T   | Chloroethane                | 0.298 | 0.294 | 1.3    | 124   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.806 | 0.789 | 2.1    | 113   | 0.00     |
| 8 T   | Diethyl Ether               | 0.311 | 0.322 | -3.5   | 118   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.457 | 0.502 | -9.8   | 125   | 0.00     |
| 10 T  | Methyl Iodide               | 0.569 | 0.607 | -6.7   | 117   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.108 | 0.125 | -15.7  | 135   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.475 | -6.5#  | 120   | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.107 | -5.9   | 121   | 0.00     |
| 14 T  | Allyl chloride              | 0.733 | 0.800 | -9.1   | 117   | 0.00     |
| 15 T  | Acrylonitrile               | 0.266 | 0.303 | -13.9  | 126   | 0.00     |
| 16 T  | Acetone                     | 0.310 | 0.274 | 11.6   | 118   | 0.00     |
| 17 T  | Carbon Disulfide            | 0.986 | 1.049 | -6.4   | 116   | 0.00     |
| 18 T  | Methyl Acetate              | 0.586 | 0.687 | -17.2  | 132   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.491 | 1.637 | -9.8   | 121   | 0.00     |
| 20 T  | Methylene Chloride          | 0.549 | 0.536 | 2.4    | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.462 | 0.491 | -6.3   | 119   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.498 | 1.642 | -9.6   | 119   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.346 | 1.540 | -14.4  | 121   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.847 | 0.905 | -6.8   | 118   | 0.00     |
| 25 T  | 2-Butanone                  | 0.381 | 0.444 | -16.5  | 127   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.695 | 0.746 | -7.3   | 120   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.553 | 0.602 | -8.9   | 121   | 0.00     |
| 28 T  | Bromochloromethane          | 0.365 | 0.350 | 4.1    | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.240 | 0.286 | -19.2  | 131   | 0.00     |
| 30 C  | Chloroform                  | 0.890 | 0.964 | -8.3#  | 120   | 0.00     |
| 31 T  | Cyclohexane                 | 0.724 | 0.781 | -7.9   | 121   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.780 | 0.867 | -11.2  | 122   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.613 | 0.581 | 5.2    | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.346 | 0.328 | 5.2    | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.419 | 0.457 | -9.1   | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.528 | 0.601 | -13.8  | 126   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.476 | 0.528 | -10.9  | 122   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.514 | 0.585 | -13.8  | 123   | 0.00     |
| 40 TM | Benzene                     | 1.308 | 1.399 | -7.0   | 118   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.258 | 0.328 | -27.1# | 134   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.488 | 0.524 | -7.4   | 118   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.798 | 0.917 | -14.9  | 127   | 0.00     |
| 44 TM | Trichloroethene             | 0.356 | 0.388 | -9.0   | 120   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.311 | 0.342 | -10.0# | 120   | 0.00     |
| 46 T  | Dibromomethane              | 0.239 | 0.262 | -9.6   | 119   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.442 | 0.508 | -14.9  | 122   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.383 | 0.459 | -19.8  | 127   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 05 04:57:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 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                 | 0.008 | 0.009 | -12.5  | 125   | -0.01    |
| 50 S  | Toluene-d8                  | 1.208 | 1.183 | 2.1    | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.517 | 0.620 | -19.9  | 129   | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.925 | -11.4# | 121   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.435 | 0.523 | -20.2  | 125   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.481 | 0.564 | -17.3  | 122   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.374 | -11.6  | 123   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.511 | 0.625 | -22.3  | 127   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.556 | 0.615 | -10.6  | 122   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.241 | 0.337 | -39.8# | 146   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.394 | 0.486 | -23.4  | 129   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.371 | 0.449 | -21.0  | 126   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.353 | 0.395 | -11.9  | 121   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.446 | 0.458 | -2.7   | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 113   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.375 | 0.403 | -7.5   | 124   | 0.00     |
| 65 PM | Chlorobenzene               | 1.073 | 1.158 | -7.9   | 123   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.372 | 0.420 | -12.9  | 126   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.710 | 1.911 | -11.8# | 124   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.680 | 0.765 | -12.5  | 124   | 0.00     |
| 69 T  | o-Xylene                    | 0.677 | 0.755 | -11.5  | 124   | 0.00     |
| 70 T  | Styrene                     | 1.118 | 1.295 | -15.8  | 126   | 0.00     |
| 71 P  | Bromoform                   | 0.324 | 0.386 | -19.1  | 128   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.102 | 3.542 | -14.2  | 126   | 0.00     |
| 74 T  | N-amyl acetate              | 1.374 | 1.645 | -19.7  | 127   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.101 | 1.176 | -6.8   | 123   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.872 | 1.011 | -15.9  | 130   | 0.00     |
| 77 T  | Bromobenzene                | 0.915 | 1.002 | -9.5   | 124   | 0.00     |
| 78 T  | n-propylbenzene             | 3.406 | 3.996 | -17.3  | 128   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.189 | 2.433 | -11.1  | 126   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.590 | 3.006 | -16.1  | 127   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.320 | 0.380 | -18.8  | 128   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.490 | 2.810 | -12.9  | 125   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.789 | 3.185 | -14.2  | 127   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.624 | 3.015 | -14.9  | 125   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.198 | 3.789 | -18.5  | 129   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.805 | 3.356 | -19.6  | 129   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.635 | 1.815 | -11.0  | 125   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.836 | -9.0   | 125   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.220 | 2.764 | -24.5  | 132   | 0.00     |
| 90 T  | Hexachloroethane            | 0.477 | 0.563 | -18.0  | 131   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.665 | 1.830 | -9.9   | 123   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.222 | 0.280 | -26.1# | 133   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.098 | 1.283 | -16.8  | 127   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.544 | 0.627 | -15.3  | 131   | 0.00     |
| 95 T  | Naphthalene                 | 3.239 | 3.943 | -21.7  | 128   | 0.00     |

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Instrument :  
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Quant Title : SW846 8260  
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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 | 1.130 | 1.309 | -15.8 | 125   | 0.00     |

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