

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042624\  
 Data File : VX041246.D  
 Acq On : 26 Apr 2024 09:36  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 27 02:11:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 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    | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.395 | 0.351 | 11.1   | 77    | 0.00     |
| 3 P   | Chloromethane               | 0.428 | 0.324 | 24.3   | 70    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.428 | 0.341 | 20.3#  | 70    | 0.00     |
| 5 T   | Bromomethane                | 0.241 | 0.304 | -26.1# | 112   | 0.00     |
| 6 T   | Chloroethane                | 0.163 | 0.172 | -5.5   | 108   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.663 | 0.626 | 5.6    | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 0.244 | 0.223 | 8.6    | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.390 | 0.352 | 9.7    | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 0.471 | 0.307 | 34.8#  | 59    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.085 | 0.099 | -16.5  | 95    | -0.05    |
| 12 CM | 1,1-Dichloroethene          | 0.364 | 0.323 | 11.3#  | 83    | 0.00     |
| 13 T  | Acrolein                    | 0.096 | 0.082 | 14.6   | 79    | 0.00     |
| 14 T  | Allyl chloride              | 0.592 | 0.656 | -10.8  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 0.218 | 0.234 | -7.3   | 92    | 0.00     |
| 16 T  | Acetone                     | 0.173 | 0.204 | -17.9  | 112   | -0.01    |
| 17 T  | Carbon Disulfide            | 0.761 | 0.706 | 7.2    | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 0.512 | 0.531 | -3.7   | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.303 | 1.372 | -5.3   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 0.423 | 0.434 | -2.6   | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.403 | 0.397 | 1.5    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.280 | 1.214 | 5.2    | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.095 | 1.129 | -3.1   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.715 | 0.660 | 7.7    | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 0.296 | 0.295 | 0.3    | 86    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 0.605 | 0.659 | -8.9   | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.499 | 0.488 | 2.2    | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 0.271 | 0.270 | 0.4    | 98    | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.202 | 0.191 | 5.4    | 83    | -0.01    |
| 30 C  | Chloroform                  | 0.768 | 0.762 | 0.8#   | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 0.641 | 0.611 | 4.7    | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.688 | 0.725 | -5.4   | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.476 | 0.493 | -3.6   | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.304 | 0.349 | -14.8  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.389 | 0.442 | -13.6  | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.427 | 0.471 | -10.3  | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.435 | 0.527 | -21.1  | 92    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.516 | 0.558 | -8.1   | 82    | 0.00     |
| 40 TM | Benzene                     | 1.202 | 1.333 | -10.9  | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.222 | 0.262 | -18.0  | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.417 | 0.459 | -10.1  | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.688 | 0.714 | -3.8   | 79    | -0.01    |
| 44 TM | Trichloroethene             | 0.349 | 0.393 | -12.6  | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.288 | 0.338 | -17.4# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 0.215 | 0.256 | -19.1  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.396 | 0.505 | -27.5# | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.325 | 0.418 | -28.6# | 94    | 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

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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                 | 0.007 | 0.008 | -14.3  | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 1.026 | 1.067 | -4.0   | 84    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.431 | 0.492 | -14.2  | 85    | 0.00     |
| 52 CM | Toluene                     | 0.757 | 0.795 | -5.0#  | 78    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.389 | 0.464 | -19.3  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.442 | 0.508 | -14.9  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.296 | 0.362 | -22.3  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.452 | 0.557 | -23.2  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.489 | 0.594 | -21.5  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.220 | 0.258 | -17.3  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.330 | 0.450 | -36.4# | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.341 | 0.451 | -32.3# | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.317 | 0.385 | -21.5  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.379 | 0.439 | -15.8  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.383 | 0.356 | 7.0    | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 1.029 | 1.016 | 1.3    | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.352 | 0.375 | -6.5   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.642 | 1.653 | -0.7#  | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.663 | 0.645 | 2.7    | 87    | 0.00     |
| 69 T  | o-Xylene                    | 0.645 | 0.650 | -0.8   | 89    | 0.00     |
| 70 T  | Styrene                     | 1.049 | 1.117 | -6.5   | 91    | 0.00     |
| 71 P  | Bromoform                   | 0.301 | 0.357 | -18.6  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.111 | 2.976 | 4.3    | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 1.223 | 1.324 | -8.3   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.981 | 0.819 | 16.5   | 80    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.806 | 0.673 | 16.5   | 83    | 0.00     |
| 77 T  | Bromobenzene                | 0.905 | 0.724 | 20.0   | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 3.359 | 2.881 | 14.2   | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.126 | 1.758 | 17.3   | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.588 | 2.207 | 14.7   | 81    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.286 | 0.277 | 3.1    | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.409 | 2.068 | 14.2   | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.772 | 2.720 | 1.9    | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.569 | 2.523 | 1.8    | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.201 | 3.180 | 0.7    | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.820 | 2.835 | -0.5   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.626 | 1.584 | 2.6    | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.669 | 1.605 | 3.8    | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.142 | 2.316 | -8.1   | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 0.465 | 0.486 | -4.5   | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.629 | 1.583 | 2.8    | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.206 | 0.224 | -8.7   | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.129 | 1.164 | -3.1   | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.577 | 0.576 | 0.2    | 93    | 0.00     |
| 95 T  | Naphthalene                 | 3.245 | 3.360 | -3.5   | 94    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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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 | 1.190 | 1.172 | 1.5  | 93    | 0.00     |

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