

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090623\  
 Data File : VX037568.D  
 Acq On : 06 Sep 2023 20:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 06 22:49:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 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    | 82    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.581 | 0.526 | 9.5    | 74    | 0.00     |
| 3 P   | Chloromethane               | 0.508 | 0.509 | -0.2   | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.553 | 0.573 | -3.6#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 0.276 | 0.226 | 18.1   | 68    | 0.00     |
| 6 T   | Chloroethane                | 0.325 | 0.295 | 9.2    | 77    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.906 | 0.866 | 4.4    | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 0.351 | 0.376 | -7.1   | 80    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.529 | 0.536 | -1.3   | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 0.642 | 0.642 | 0.0    | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.169 | 0.187 | -10.7  | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.515 | 0.528 | -2.5#  | 85    | 0.00     |
| 13 T  | Acrolein                    | 0.129 | 0.159 | -23.3  | 96    | 0.00     |
| 14 T  | Allyl chloride              | 0.797 | 0.775 | 2.8    | 73    | 0.00     |
| 15 T  | Acrylonitrile               | 0.302 | 0.377 | -24.8  | 94    | 0.00     |
| 16 T  | Acetone                     | 0.282 | 0.300 | -6.4   | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.309 | 1.046 | 20.1   | 67    | 0.00     |
| 18 T  | Methyl Acetate              | 1.062 | 1.215 | -14.4  | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.952 | 2.088 | -7.0   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 0.631 | 0.670 | -6.2   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.585 | 0.584 | 0.2    | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.635 | 1.765 | -8.0   | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.253 | 1.316 | -5.0   | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.025 | 1.110 | -8.3   | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 0.425 | 0.484 | -13.9  | 85    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.916 | 0.594 | 35.2#  | 52    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.690 | 0.746 | -8.1   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 0.458 | 0.502 | -9.6   | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.271 | 0.301 | -11.1  | 83    | 0.00     |
| 30 C  | Chloroform                  | 1.151 | 1.225 | -6.4#  | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 0.811 | 0.795 | 2.0    | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.031 | 1.061 | -2.9   | 82    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.721 | 0.732 | -1.5   | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.331 | 0.382 | -15.4  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.470 | 0.446 | 5.1    | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.481 | 0.518 | -7.7   | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.511 | 0.508 | 0.6    | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.494 | 0.522 | -5.7   | 99    | 0.00     |
| 40 TM | Benzene                     | 1.349 | 1.447 | -7.3   | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.250 | 0.279 | -11.6  | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.529 | 0.515 | 2.6    | 74    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.763 | 0.799 | -4.7   | 78    | 0.00     |
| 44 TM | Trichloroethene             | 0.383 | 0.387 | -1.0   | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.333 | 0.372 | -11.7# | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.262 | 0.281 | -7.3   | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.502 | 0.545 | -8.6   | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.372 | 0.390 | -4.8   | 79    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 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                 | 0.010 | 0.012 | -20.0  | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 1.201 | 1.315 | -9.5   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.463 | 0.534 | -15.3  | 87    | 0.00     |
| 52 CM | Toluene                     | 0.891 | 0.957 | -7.4#  | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.535 | 0.530 | 0.9    | 72    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.578 | 0.589 | -1.9   | 75    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.363 | 0.429 | -18.2  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.569 | 0.643 | -13.0  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.612 | 0.692 | -13.1  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.283 | -3.7   | 78    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.353 | 0.408 | -15.6  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.386 | 0.445 | -15.3  | 83    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.397 | 0.445 | -12.1  | 84    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.472 | 0.535 | -13.3  | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.365 | 0.340 | 6.8    | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 1.057 | 1.123 | -6.2   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.390 | 0.443 | -13.6  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.860 | 1.953 | -5.0#  | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.718 | 0.769 | -7.1   | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.708 | 0.771 | -8.9   | 87    | 0.00     |
| 70 T  | Styrene                     | 1.167 | 1.296 | -11.1  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.292 | 0.347 | -18.8  | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.634 | 3.908 | -7.5   | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 1.412 | 1.470 | -4.1   | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.224 | 1.435 | -17.2  | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.065 | 1.145 | -7.5   | 89    | 0.00     |
| 77 T  | Bromobenzene                | 0.888 | 0.968 | -9.0   | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 4.047 | 4.300 | -6.3   | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.586 | 2.733 | -5.7   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.328 | -9.8   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.381 | 0.360 | 5.5    | 73    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.985 | 3.069 | -2.8   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.891 | 3.422 | -18.4  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.064 | 3.317 | -8.3   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.377 | 4.101 | -21.4  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.907 | 3.429 | -18.0  | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.662 | 1.763 | -6.1   | 90    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.717 | 1.739 | -1.3   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.410 | 2.752 | -14.2  | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 0.485 | 0.613 | -26.4# | 106   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.627 | 1.802 | -10.8  | 90    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.284 | 0.311 | -9.5   | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.952 | 1.051 | -10.4  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.368 | 0.459 | -24.7  | 118   | 0.00     |
| 95 T  | Naphthalene                 | 4.171 | 4.021 | 3.6    | 85    | 0.00     |

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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 | 0.946 | 1.091 | -15.3 | 97    | 0.00     |

(#) = Out of Range

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