

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
 Data File : VX044050.D  
 Acq On : 27 Nov 2024 18:52  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 28 00:56:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 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    | 83    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.602 | 4.9    | 73    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.606 | 9.1    | 72    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.659 | 7.1#   | 71    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.471 | -8.0   | 87    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.438 | -1.4   | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.469 | -15.9  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.475 | -2.8   | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.633 | -4.6   | 79    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.776 | -2.8   | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.132 | 4.3    | 75    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.590 | -2.4#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.181 | -24.8  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 1.009 | -7.2   | 80    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.348 | -3.9   | 78    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.343 | 12.9   | 67    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.020 | 14.1   | 65    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.978 | -6.7   | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.412 | -15.3  | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.671 | -0.4   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.615 | -3.4   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 2.287 | -13.6  | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.943 | -12.8  | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.284 | -10.6  | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.509 | -0.2   | 74    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 1.090 | -3.9   | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.798 | -8.6   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.572 | -11.9  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.319 | -2.2   | 78    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.403 | -12.3# | 88    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.960 | -0.4   | 76    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.231 | -14.3  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.995 | -16.0  | 109   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.394 | -10.4  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.465 | -4.5   | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.563 | -1.8   | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.523 | -4.6   | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.557 | 3.6    | 74    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.443 | -4.0   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.304 | -7.4   | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.611 | -9.7   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.957 | -8.7   | 86    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.344 | 12.5   | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.367 | -7.9#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.289 | -7.4   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.541 | -12.2  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.458 | -8.5   | 86    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 28 00:56:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 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 | 0.008 | 0.0    | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.353 | -9.8   | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.579 | -7.8   | 83    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.909 | -9.5#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.549 | -11.8  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.593 | -10.0  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.369 | -7.6   | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.595 | -11.4  | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.629 | -9.0   | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.293 | -7.3   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.427 | -6.0   | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.380 | -10.5  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.379 | -9.5   | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.483 | -15.3  | 109   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.333 | -0.9   | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.148 | -4.6   | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.398 | -11.8  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 2.106 | -13.2# | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.748 | -7.8   | 83    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.747 | -10.2  | 84    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.250 | -11.5  | 84    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.257 | -7.1   | 77    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 4.061 | -5.7   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 2.016 | -13.3  | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.383 | -5.1   | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.108 | -1.1   | 81    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.955 | -4.1   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.632 | -7.9   | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.764 | -1.8   | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.372 | -6.6   | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.377 | 6.2    | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 3.278 | -7.0   | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.430 | -9.4   | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.555 | -12.9  | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 4.155 | -8.2   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.421 | -9.7   | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.744 | -4.4   | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.725 | -1.4   | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 3.013 | -9.6   | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.533 | -0.6   | 78    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.770 | -5.0   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.265 | -0.4   | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.989 | 0.5    | 79    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.378 | 3.8    | 80    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 4.179 | -16.9  | 90    | 0.00     |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Time: Nov 28 00:56:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 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 | 1.006 | 1.047 | -4.1 | 81    | 0.00     |

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