

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U060722\  
 Data File : U048901.D  
 Acq On : 07 Jun 2022 10:15  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 04:48:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.572 | 0.565 | 1.2    | 84    | 0.00     |
| 3 P   | Chloromethane               | 0.737 | 0.713 | 3.3    | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.682 | 0.699 | -2.5#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 0.426 | 0.321 | 24.6#  | 65    | -0.02    |
| 6 T   | Chloroethane                | 0.425 | 0.382 | 10.1   | 77    | -0.02    |
| 7 T   | Trichlorofluoromethane      | 0.975 | 0.942 | 3.4    | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 0.360 | 0.373 | -3.6   | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.534 | 0.542 | -1.5   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 0.704 | 0.765 | -8.7   | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.190 | 0.225 | -18.4  | 106   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.509 | 0.500 | 1.8#   | 82    | 0.00     |
| 13 T  | Acrolein                    | 0.073 | 0.054 | 26.0#  | 70    | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 1.036 | -5.1   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 0.413 | 0.481 | -16.5  | 94    | 0.00     |
| 16 T  | Acetone                     | 0.383 | 0.460 | -20.1# | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.486 | 1.181 | 20.5#  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 0.961 | 1.119 | -16.4  | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.931 | 2.134 | -10.5  | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 0.651 | 0.657 | -0.9   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.582 | 0.542 | 6.9    | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.818 | 2.121 | -16.7  | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.575 | 1.822 | -15.7  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.142 | 1.205 | -5.5   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 0.550 | 0.668 | -21.5# | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.024 | 1.033 | -0.9   | 85    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.674 | 0.679 | -0.7   | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 0.448 | 0.497 | -10.9  | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.346 | 0.411 | -18.8  | 95    | 0.00     |
| 30 C  | Chloroform                  | 1.143 | 1.230 | -7.6#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 0.946 | 0.909 | 3.9    | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.037 | 1.063 | -2.5   | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.751 | 0.770 | -2.5   | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.381 | -6.7   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.521 | 0.498 | 4.4    | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.658 | 0.705 | -7.1   | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.597 | 0.572 | 4.2    | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.546 | 0.562 | -2.9   | 84    | 0.00     |
| 40 TM | Benzene                     | 1.537 | 1.555 | -1.2   | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.333 | 0.395 | -18.6  | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.602 | 0.637 | -5.8   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.955 | 1.065 | -11.5  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 0.396 | 0.377 | 4.8    | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.387 | 0.452 | -16.8# | 90    | 0.00     |
| 46 T  | Dibromomethane              | 0.289 | 0.308 | -6.6   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.585 | 0.626 | -7.0   | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.429 | 0.504 | -17.5  | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U060722\  
 Data File : U048901.D  
 Acq On : 07 Jun 2022 10:15  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 04:48:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.010 | 0.014 | -40.0# | 125   | 0.00     |
| 50 S  | Toluene-d8                  | 1.279 | 1.288 | -0.7   | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.620 | 0.803 | -29.5# | 101   | 0.00     |
| 52 CM | Toluene                     | 0.919 | 0.973 | -5.9#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.631 | 0.644 | -2.1   | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.653 | 0.690 | -5.7   | 84    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.406 | 0.437 | -7.6   | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.566 | 0.679 | -20.0  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.683 | 0.739 | -8.2   | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.111 | 0.119 | -7.2   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.509 | 0.650 | -27.7# | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.455 | 0.479 | -5.3   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.447 | 0.454 | -1.6   | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.484 | 0.515 | -6.4   | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.384 | 0.365 | 4.9    | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 1.058 | 1.104 | -4.3   | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.401 | 0.456 | -13.7  | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.784 | 1.937 | -8.6#  | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.698 | 0.781 | -11.9  | 84    | 0.00     |
| 69 T  | o-Xylene                    | 0.685 | 0.767 | -12.0  | 87    | 0.00     |
| 70 T  | Styrene                     | 1.127 | 1.320 | -17.1  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.371 | 0.435 | -17.3  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.228 | 3.432 | -6.3   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 1.396 | 1.767 | -26.6# | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.317 | 1.537 | -16.7  | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.612 | 1.789 | -11.0  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 0.867 | 0.894 | -3.1   | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 3.846 | 4.150 | -7.9   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.392 | 2.563 | -7.1   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.807 | 3.188 | -13.6  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.444 | 0.468 | -5.4   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.760 | 2.969 | -7.6   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.694 | 3.069 | -13.9  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.732 | 3.281 | -20.1# | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.371 | 3.939 | -16.8  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.894 | 3.437 | -18.8  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.700 | 1.777 | -4.5   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.756 | 1.797 | -2.3   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.544 | 2.999 | -17.9  | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 0.591 | 0.620 | -4.9   | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.717 | 1.871 | -9.0   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.379 | 0.416 | -9.8   | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.127 | 1.092 | 3.1    | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.540 | 0.607 | -12.4  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 3.495 | 3.456 | 1.1    | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060722\  
Data File : VU048901.D  
Acq On : 07 Jun 2022 10:15  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 08 04:48:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.116 | 1.150 | -3.0 | 86    | 0.00     |

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