

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060721\  
 Data File : VU044062.D  
 Acq On : 07 Jun 2021 17:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 17:41:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 17:38:51 2021  
 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.745 | 0.707 | 5.1   | 100   | 0.00     |
| 3 P   | Chloromethane               | 1.034 | 0.905 | 12.5  | 98    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.926 | 0.846 | 8.6#  | 97    | 0.00     |
| 5 T   | Bromomethane                | 0.384 | 0.435 | -13.3 | 109   | 0.00     |
| 6 T   | Chloroethane                | 0.566 | 0.521 | 8.0   | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.064 | 0.996 | 6.4   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.458 | 0.444 | 3.1   | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.643 | 0.596 | 7.3   | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 0.750 | 0.729 | 2.8   | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.216 | 0.227 | -5.1  | 111   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.615 | 0.595 | 3.3#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.170 | 0.151 | 11.2  | 95    | 0.00     |
| 14 T  | Allyl chloride              | 1.257 | 1.224 | 2.6   | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 0.479 | 0.503 | -5.0  | 105   | 0.00     |
| 16 T  | Acetone                     | 0.503 | 0.459 | 8.7   | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 2.050 | 1.900 | 7.3   | 98    | 0.00     |
| 18 T  | Methyl Acetate              | 1.108 | 1.167 | -5.3  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.884 | 2.023 | -7.4  | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 0.872 | 0.774 | 11.2  | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.690 | 0.678 | 1.7   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.138 | 2.219 | -3.8  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 2.017 | 2.208 | -9.5  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.399 | 1.325 | 5.3   | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 0.717 | 0.743 | -3.6  | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.004 | 0.985 | 1.9   | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.763 | 0.756 | 0.9   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 0.713 | 0.681 | 4.5   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.398 | 0.427 | -7.3  | 104   | 0.00     |
| 30 C  | Chloroform                  | 1.346 | 1.280 | 4.9#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 1.202 | 1.129 | 6.1   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.082 | 1.036 | 4.3   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.871 | 0.837 | 3.9   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.341 | 4.5   | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.563 | 0.549 | 2.5   | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.710 | 0.746 | -5.1  | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.509 | 0.489 | 3.9   | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.582 | 0.592 | -1.7  | 104   | 0.00     |
| 40 TM | Benzene                     | 1.698 | 1.644 | 3.2   | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.373 | 0.405 | -8.6  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.606 | 0.599 | 1.2   | 103   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.003 | 1.071 | -6.8  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 0.375 | 0.368 | 1.9   | 103   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.463 | 0.454 | 1.9#  | 103   | 0.00     |
| 46 T  | Dibromomethane              | 0.295 | 0.289 | 2.0   | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.586 | 0.578 | 1.4   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.495 | 0.532 | -7.5  | 105   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 17:41:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 17:38:51 2021  
 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                 | 0.012 | 0.014 | -16.7  | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 1.376 | 1.333 | 3.1    | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.745 | 0.798 | -7.1   | 105   | 0.00     |
| 52 CM | Toluene                     | 0.991 | 1.005 | -1.4#  | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.624 | 0.658 | -5.4   | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.689 | 0.710 | -3.0   | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.420 | 0.411 | 2.1    | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.643 | 0.714 | -11.0  | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.759 | 0.757 | 0.3    | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.183 | 0.218 | -19.1  | 115   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.579 | 0.632 | -9.2   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.419 | 0.416 | 0.7    | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.430 | 0.442 | -2.8   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.545 | 0.533 | 2.2    | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.321 | 0.330 | -2.8   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 1.054 | 1.041 | 1.2    | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.372 | 0.370 | 0.5    | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.914 | 1.999 | -4.4#  | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.709 | 0.750 | -5.8   | 102   | 0.00     |
| 69 T  | o-Xylene                    | 0.679 | 0.719 | -5.9   | 102   | 0.00     |
| 70 T  | Styrene                     | 1.163 | 1.270 | -9.2   | 103   | 0.00     |
| 71 P  | Bromoform                   | 0.325 | 0.326 | -0.3   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.365 | 3.556 | -5.7   | 103   | 0.00     |
| 74 T  | N-amyl acetate              | 1.540 | 1.747 | -13.4  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.529 | 1.518 | 0.7    | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.399 | 1.449 | -3.6   | 103   | 0.00     |
| 77 T  | Bromobenzene                | 0.811 | 0.824 | -1.6   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 4.341 | 4.556 | -5.0   | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.603 | 2.643 | -1.5   | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.994 | 3.221 | -7.6   | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.479 | 0.504 | -5.2   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.046 | 3.184 | -4.5   | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.780 | 2.934 | -5.5   | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.943 | 3.264 | -10.9  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.628 | 3.890 | -7.2   | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.083 | 3.385 | -9.8   | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.616 | 1.635 | -1.2   | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.706 | 1.671 | 2.1    | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.116 | 3.343 | -7.3   | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 0.529 | 0.503 | 4.9    | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.604 | 1.629 | -1.6   | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.335 | 0.353 | -5.4   | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.940 | 1.033 | -9.9   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.536 | 0.538 | -0.4   | 105   | 0.00     |
| 95 T  | Naphthalene                 | 2.867 | 3.454 | -20.5# | 106   | 0.00     |

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Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 08 17:41:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 08 17:38:51 2021  
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 | 0.905 | 1.014 | -12.0 | 106   | 0.00     |

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