

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050621\  
 Data File : VU043599.D  
 Acq On : 06 May 2021 21:22  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 07 02:09:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 06 07:26:23 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   | 109   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.642 | 0.685 | -6.7  | 110   | 0.00     |
| 3 P   | Chloromethane               | 0.937 | 0.868 | 7.4   | 113   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.794 | 0.788 | 0.8#  | 111   | 0.00     |
| 5 T   | Bromomethane                | 0.447 | 0.442 | 1.1   | 109   | 0.00     |
| 6 T   | Chloroethane                | 0.509 | 0.468 | 8.1   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.075 | 1.062 | 1.2   | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 0.390 | 0.396 | -1.5  | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.596 | 0.609 | -2.2  | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 0.731 | 0.688 | 5.9   | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.272 | 0.251 | 7.7   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.579 | 0.599 | -3.5# | 109   | 0.00     |
| 13 T  | Acrolein                    | 0.128 | 0.113 | 11.7  | 109   | 0.00     |
| 14 T  | Allyl chloride              | 1.450 | 1.474 | -1.7  | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 0.493 | 0.514 | -4.3  | 110   | 0.00     |
| 16 T  | Acetone                     | 0.562 | 0.561 | 0.2   | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.836 | 1.816 | 1.1   | 109   | 0.00     |
| 18 T  | Methyl Acetate              | 1.284 | 1.404 | -9.3  | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.991 | 2.141 | -7.5  | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 0.791 | 0.755 | 4.6   | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.629 | 0.654 | -4.0  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.488 | 2.667 | -7.2  | 108   | 0.00     |
| 23 T  | Vinyl Acetate               | 2.554 | 2.751 | -7.7  | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.438 | 1.424 | 1.0   | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 0.866 | 0.920 | -6.2  | 114   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.969 | 0.930 | 4.0   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.726 | 0.763 | -5.1  | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 0.722 | 0.716 | 0.8   | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.492 | 0.532 | -8.1  | 113   | 0.00     |
| 30 C  | Chloroform                  | 1.390 | 1.395 | -0.4# | 107   | 0.00     |
| 31 T  | Cyclohexane                 | 1.208 | 1.175 | 2.7   | 111   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.185 | 1.188 | -0.3  | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.012 | 0.965 | 4.6   | 110   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.399 | 0.375 | 6.0   | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.568 | 0.588 | -3.5  | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.961 | 1.007 | -4.8  | 112   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.575 | 0.578 | -0.5  | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.548 | 0.587 | -7.1  | 113   | 0.00     |
| 40 TM | Benzene                     | 1.702 | 1.750 | -2.8  | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.494 | 0.546 | -10.5 | 111   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.747 | 0.750 | -0.4  | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.410 | 1.493 | -5.9  | 112   | 0.00     |
| 44 TM | Trichloroethene             | 0.400 | 0.411 | -2.7  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.501 | 0.506 | -1.0# | 109   | 0.00     |
| 46 T  | Dibromomethane              | 0.316 | 0.331 | -4.7  | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.640 | 0.662 | -3.4  | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.708 | 0.750 | -5.9  | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 07 02:09:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 06 07:26:23 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                 | 0.011 | 0.012 | -9.1   | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 1.414 | 1.388 | 1.8    | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 1.002 | 1.078 | -7.6   | 114   | 0.00     |
| 52 CM | Toluene                     | 0.984 | 1.054 | -7.1#  | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.662 | 0.708 | -6.9   | 110   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.700 | 0.746 | -6.6   | 111   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.429 | 0.444 | -3.5   | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.673 | 0.754 | -12.0  | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.763 | 0.799 | -4.7   | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.206 | 0.321 | -55.8# | 157#  | 0.00     |
| 59 T  | 2-Hexanone                  | 0.799 | 0.860 | -7.6   | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.456 | 0.474 | -3.9   | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.463 | 0.485 | -4.8   | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.538 | 0.525 | 2.4    | 115   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.386 | 0.404 | -4.7   | 109   | 0.00     |
| 65 PM | Chlorobenzene               | 1.103 | 1.148 | -4.1   | 112   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.424 | 0.434 | -2.4   | 109   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.988 | 2.168 | -9.1#  | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.728 | 0.800 | -9.9   | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.703 | 0.766 | -9.0   | 111   | 0.00     |
| 70 T  | Styrene                     | 1.188 | 1.342 | -13.0  | 111   | 0.00     |
| 71 P  | Bromoform                   | 0.387 | 0.405 | -4.7   | 113   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.584 | 4.077 | -13.8  | 113   | 0.00     |
| 74 T  | N-amyl acetate              | 2.359 | 2.627 | -11.4  | 113   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.691 | 1.705 | -0.8   | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.590 | 1.713 | -7.7   | 118   | 0.00     |
| 77 T  | Bromobenzene                | 0.923 | 0.993 | -7.6   | 111   | 0.00     |
| 78 T  | n-propylbenzene             | 4.382 | 5.001 | -14.1  | 111   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.716 | 2.978 | -9.6   | 111   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.037 | 3.538 | -16.5  | 111   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.488 | 0.494 | -1.2   | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.104 | 3.500 | -12.8  | 111   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.980 | 3.362 | -12.8  | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.049 | 3.585 | -17.6  | 113   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.646 | 4.212 | -15.5  | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.078 | 3.621 | -17.6  | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.833 | -5.0   | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.810 | 1.843 | -1.8   | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.984 | 3.367 | -12.8  | 110   | 0.00     |
| 90 T  | Hexachloroethane            | 0.501 | 0.542 | -8.2   | 116   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.802 | 1.841 | -2.2   | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.417 | 0.437 | -4.8   | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.171 | 1.208 | -3.2   | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.558 | 0.570 | -2.2   | 103   | 0.00     |
| 95 T  | Naphthalene                 | 3.719 | 4.372 | -17.6  | 112   | 0.00     |

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ALS Vial : 29 Sample Multiplier: 1

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LabSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 06 07:26:23 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 | 1.168 | 1.254 | -7.4 | 108   | 0.00     |

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