

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051221\  
 Data File : VU043669.D  
 Acq On : 12 May 2021 11:34  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 12 16:44:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 09:51:45 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    | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.642 | 0.681 | -6.1   | 109   | 0.00     |
| 3 P   | Chloromethane               | 0.937 | 0.927 | 1.1    | 120   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.794 | 0.798 | -0.5#  | 112   | 0.00     |
| 5 T   | Bromomethane                | 0.447 | 0.397 | 11.2   | 97    | 0.01     |
| 6 T   | Chloroethane                | 0.509 | 0.477 | 6.3    | 106   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.075 | 1.084 | -0.8   | 108   | 0.00     |
| 8 T   | Diethyl Ether               | 0.390 | 0.410 | -5.1   | 112   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.596 | 0.631 | -5.9   | 114   | 0.00     |
| 10 T  | Methyl Iodide               | 0.731 | 0.568 | 22.3#  | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.272 | 0.249 | 8.5    | 111   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.579 | 0.589 | -1.7#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 0.128 | 0.145 | -13.3  | 139   | 0.00     |
| 14 T  | Allyl chloride              | 1.450 | 1.558 | -7.4   | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 0.493 | 0.567 | -15.0  | 121   | 0.00     |
| 16 T  | Acetone                     | 0.562 | 0.630 | -12.1  | 126   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.836 | 1.780 | 3.1    | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 1.284 | 1.513 | -17.8  | 126   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.991 | 2.104 | -5.7   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 0.791 | 0.751 | 5.1    | 110   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.629 | 0.663 | -5.4   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.488 | 2.687 | -8.0   | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 2.554 | 2.814 | -10.2  | 111   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.438 | 1.445 | -0.5   | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 0.866 | 0.990 | -14.3  | 122   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.969 | 1.165 | -20.2# | 127   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.726 | 0.749 | -3.2   | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 0.722 | 0.721 | 0.1    | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.492 | 0.574 | -16.7  | 121   | 0.00     |
| 30 C  | Chloroform                  | 1.390 | 1.381 | 0.6#   | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 1.208 | 1.184 | 2.0    | 111   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.185 | 1.165 | 1.7    | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.034 | 0.947 | 8.4    | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.413 | 0.394 | 4.6    | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.568 | 0.615 | -8.3   | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.961 | 1.092 | -13.6  | 117   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.575 | 0.599 | -4.2   | 106   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.548 | 0.608 | -10.9  | 113   | 0.00     |
| 40 TM | Benzene                     | 1.702 | 1.805 | -6.1   | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.494 | 0.593 | -20.0# | 116   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.747 | 0.778 | -4.1   | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.410 | 1.559 | -10.6  | 112   | 0.00     |
| 44 TM | Trichloroethene             | 0.400 | 0.419 | -4.7   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.501 | 0.531 | -6.0#  | 110   | 0.00     |
| 46 T  | Dibromomethane              | 0.316 | 0.340 | -7.6   | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.640 | 0.683 | -6.7   | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.708 | 0.773 | -9.2   | 110   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 12 16:44:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 09:51:45 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   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.389 | 1.415 | -1.9   | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 1.002 | 1.131 | -12.9  | 115   | 0.00     |
| 52 CM | Toluene                     | 0.984 | 1.051 | -6.8#  | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.662 | 0.744 | -12.4  | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.700 | 0.793 | -13.3  | 113   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.429 | 0.450 | -4.9   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.673 | 0.752 | -11.7  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.763 | 0.831 | -8.9   | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.206 | 0.221 | -7.3   | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.799 | 0.906 | -13.4  | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.456 | 0.478 | -4.8   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.463 | 0.496 | -7.1   | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.541 | 0.527 | 2.6    | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.386 | 0.409 | -6.0   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 1.103 | 1.163 | -5.4   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.424 | 0.444 | -4.7   | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.988 | 2.194 | -10.4# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.728 | 0.811 | -11.4  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 0.703 | 0.771 | -9.7   | 104   | 0.00     |
| 70 T  | Styrene                     | 1.188 | 1.333 | -12.2  | 103   | 0.00     |
| 71 P  | Bromoform                   | 0.387 | 0.405 | -4.7   | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.584 | 4.030 | -12.4  | 105   | 0.00     |
| 74 T  | N-amyl acetate              | 2.359 | 2.651 | -12.4  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.691 | 1.756 | -3.8   | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.590 | 1.594 | -0.3   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.923 | 0.971 | -5.2   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 4.382 | 5.074 | -15.8  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.716 | 2.948 | -8.5   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.037 | 3.518 | -15.8  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.488 | 0.567 | -16.2  | 122   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.104 | 3.519 | -13.4  | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.980 | 3.251 | -9.1   | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.049 | 3.524 | -15.6  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.646 | 4.177 | -14.6  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.078 | 3.628 | -17.9  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.811 | -3.8   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.810 | 1.836 | -1.4   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.984 | 3.550 | -19.0  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 0.501 | 0.552 | -10.2  | 112   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.802 | 1.815 | -0.7   | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.417 | 0.511 | -22.5# | 119   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.171 | 1.269 | -8.4   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.558 | 0.612 | -9.7   | 104   | 0.00     |
| 95 T  | Naphthalene                 | 3.719 | 4.555 | -22.5# | 110   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 11 09:51:45 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 | 1.328 | -13.7 | 108   | 0.00     |

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