

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062722\  
 Data File : VU049419.D  
 Acq On : 27 Jun 2022 21:58  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 28 05:29:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 05:14:22 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    | 138   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.803 | 0.699 | 13.0   | 114   | 0.00     |
| 3 P   | Chloromethane               | 1.088 | 0.868 | 20.2#  | 123   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.809 | 0.737 | 8.9#   | 121   | 0.00     |
| 5 T   | Bromomethane                | 0.252 | 0.249 | 1.2    | 148   | 0.00     |
| 6 T   | Chloroethane                | 0.377 | 0.417 | -10.6  | 174#  | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.031 | 0.898 | 12.9   | 119   | 0.02     |
| 8 T   | Diethyl Ether               | 0.372 | 0.401 | -7.8   | 155#  | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.555 | 0.529 | 4.7    | 128   | 0.01     |
| 10 T  | Methyl Iodide               | 0.489 | 0.655 | -33.9# | 213#  | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.180 | 0.250 | -38.9# | 211#  | -0.12    |
| 12 CM | 1,1-Dichloroethene          | 0.543 | 0.540 | 0.6#   | 138   | 0.01     |
| 13 T  | Acrolein                    | 0.122 | 0.105 | 13.9   | 126   | 0.00     |
| 14 T  | Allyl chloride              | 1.098 | 1.115 | -1.5   | 142   | 0.00     |
| 15 T  | Acrylonitrile               | 0.433 | 0.484 | -11.8  | 158#  | 0.00     |
| 16 T  | Acetone                     | 0.388 | 0.396 | -2.1   | 156#  | 0.00     |
| 17 T  | Carbon Disulfide            | 1.694 | 1.560 | 7.9    | 133   | 0.00     |
| 18 T  | Methyl Acetate              | 1.051 | 1.117 | -6.3   | 155#  | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.020 | 2.216 | -9.7   | 153#  | 0.00     |
| 20 T  | Methylene Chloride          | 0.715 | 0.710 | 0.7    | 152#  | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.585 | 0.592 | -1.2   | 140   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.096 | 2.201 | -5.0   | 144   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.837 | 2.002 | -9.0   | 148   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.204 | 1.221 | -1.4   | 141   | 0.00     |
| 25 T  | 2-Butanone                  | 0.582 | 0.658 | -13.1  | 165#  | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.002 | 0.821 | 18.1   | 113   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.676 | 0.720 | -6.5   | 148   | 0.00     |
| 28 T  | Bromochloromethane          | 0.526 | 0.532 | -1.1   | 137   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.399 | 0.437 | -9.5   | 159#  | 0.00     |
| 30 C  | Chloroform                  | 1.191 | 1.194 | -0.3#  | 141   | 0.00     |
| 31 T  | Cyclohexane                 | 1.156 | 1.058 | 8.5    | 129   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.033 | 1.014 | 1.8    | 131   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.770 | 0.770 | 0.0    | 137   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 150#  | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.350 | 0.336 | 4.0    | 142   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.507 | 0.457 | 9.9    | 134   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.693 | 0.674 | 2.7    | 135   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.532 | 0.472 | 11.3   | 130   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.608 | 0.547 | 10.0   | 127   | 0.00     |
| 40 TM | Benzene                     | 1.531 | 1.463 | 4.4    | 143   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.347 | 0.352 | -1.4   | 155#  | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.570 | 0.528 | 7.4    | 137   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.016 | 1.021 | -0.5   | 152#  | 0.00     |
| 44 TM | Trichloroethene             | 0.364 | 0.342 | 6.0    | 141   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.424 | 0.401 | 5.4#   | 144   | 0.00     |
| 46 T  | Dibromomethane              | 0.283 | 0.274 | 3.2    | 143   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.545 | 0.519 | 4.8    | 141   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.476 | 0.486 | -2.1   | 152#  | 0.00     |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 28 05:29:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 05:14:22 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                 | 0.012 | 0.014 | -16.7  | 179#  | -0.02    |
| 50 S  | Toluene-d8                  | 1.248 | 1.200 | 3.8    | 142   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.680 | 0.674 | 0.9    | 148   | 0.00     |
| 52 CM | Toluene                     | 0.910 | 0.882 | 3.1#   | 145   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.584 | 0.569 | 2.6    | 141   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.624 | 0.617 | 1.1    | 143   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.376 | 0.379 | -0.8   | 147   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.629 | 0.671 | -6.7   | 151#  | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.668 | 0.655 | 1.9    | 146   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.043 | 0.071 | -65.1# | 196#  | 0.00     |
| 59 T  | 2-Hexanone                  | 0.534 | 0.537 | -0.6   | 153#  | -0.01    |
| 60 T  | Dibromochloromethane        | 0.391 | 0.387 | 1.0    | 140   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.410 | 0.407 | 0.7    | 149   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.478 | 0.459 | 4.0    | 140   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 144   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.321 | 0.295 | 8.1    | 134   | 0.00     |
| 65 PM | Chlorobenzene               | 1.022 | 1.012 | 1.0    | 144   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.386 | 0.389 | -0.8   | 142   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.877 | 1.854 | 1.2#   | 141   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.680 | 2.0    | 140   | 0.00     |
| 69 T  | o-Xylene                    | 0.689 | 0.695 | -0.9   | 143   | 0.00     |
| 70 T  | Styrene                     | 1.108 | 1.148 | -3.6   | 142   | 0.00     |
| 71 P  | Bromoform                   | 0.331 | 0.338 | -2.1   | 141   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 138   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.562 | 3.768 | -5.8   | 138   | 0.00     |
| 74 T  | N-amyl acetate              | 1.885 | 2.066 | -9.6   | 148   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.509 | 1.599 | -6.0   | 146   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.695 | 1.804 | -6.4   | 145   | 0.00     |
| 77 T  | Bromobenzene                | 0.869 | 0.904 | -4.0   | 143   | 0.00     |
| 78 T  | n-propylbenzene             | 4.328 | 4.430 | -2.4   | 134   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.666 | 2.699 | -1.2   | 136   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.110 | 3.191 | -2.6   | 135   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.459 | 0.483 | -5.2   | 141   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.999 | 3.013 | -0.5   | 134   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.058 | 3.156 | -3.2   | 134   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.055 | 3.232 | -5.8   | 137   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.845 | 3.789 | 1.5    | 127   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.110 | 3.157 | -1.5   | 131   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.662 | 1.643 | 1.1    | 138   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.671 | 1.628 | 2.6    | 139   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.879 | 2.825 | 1.9    | 135   | 0.00     |
| 90 T  | Hexachloroethane            | 0.619 | 0.580 | 6.3    | 124   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.670 | 1.687 | -1.0   | 140   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.387 | 0.423 | -9.3   | 153#  | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.159 | 1.116 | 3.7    | 146   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.518 | 0.440 | 15.1   | 114   | 0.00     |
| 95 T  | Naphthalene                 | 4.457 | 4.506 | -1.1   | 170#  | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 28 05:29:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 28 05:14:22 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 | 1.217 | 1.183 | 2.8  | 146   | 0.00     |

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