

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
 Data File : VX028869.D  
 Acq On : 20 May 2022 22:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 21 02:09:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.655 | 0.636 | 2.9   | 111   | 0.00     |
| 3 P   | Chloromethane               | 0.617 | 0.546 | 11.5  | 108   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.664 | 0.600 | 9.6#  | 106   | 0.00     |
| 5 T   | Bromomethane                | 0.523 | 0.461 | 11.9  | 112   | 0.00     |
| 6 T   | Chloroethane                | 0.467 | 0.405 | 13.3  | 109   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.059 | 0.998 | 5.8   | 109   | 0.00     |
| 8 T   | Diethyl Ether               | 0.386 | 0.360 | 6.7   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.557 | 0.546 | 2.0   | 116   | 0.00     |
| 10 T  | Methyl Iodide               | 0.667 | 0.571 | 14.4  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.156 | 0.157 | -0.6  | 130   | 0.04     |
| 12 CM | 1,1-Dichloroethene          | 0.517 | 0.506 | 2.1#  | 115   | 0.00     |
| 13 T  | Acrolein                    | 0.112 | 0.096 | 14.3  | 112   | 0.00     |
| 14 T  | Allyl chloride              | 0.830 | 0.808 | 2.7   | 113   | 0.00     |
| 15 T  | Acrylonitrile               | 0.330 | 0.330 | 0.0   | 117   | 0.00     |
| 16 T  | Acetone                     | 0.294 | 0.298 | -1.4  | 124   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.341 | 1.134 | 15.4  | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 0.737 | 0.768 | -4.2  | 125   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.836 | 1.943 | -5.8  | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 0.617 | 0.588 | 4.7   | 116   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.583 | 0.555 | 4.8   | 109   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.774 | 1.792 | -1.0  | 116   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.529 | 1.563 | -2.2  | 115   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.031 | 1.046 | -1.5  | 117   | 0.00     |
| 25 T  | 2-Butanone                  | 0.462 | 0.466 | -0.9  | 119   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.808 | 0.752 | 6.9   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.681 | 0.670 | 1.6   | 115   | 0.00     |
| 28 T  | Bromochloromethane          | 0.434 | 0.424 | 2.3   | 131   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.300 | 0.298 | 0.7   | 116   | 0.01     |
| 30 C  | Chloroform                  | 1.116 | 1.159 | -3.9# | 120   | 0.00     |
| 31 T  | Cyclohexane                 | 0.951 | 0.885 | 6.9   | 107   | 0.01     |
| 32 T  | 1,1,1-Trichloroethane       | 0.974 | 1.030 | -5.7  | 120   | 0.01     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.685 | 0.770 | -12.4 | 131   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.328 | 0.366 | -11.6 | 128   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.492 | 0.485 | 1.4   | 111   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.514 | 0.539 | -4.9  | 116   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.495 | 0.535 | -8.1  | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.564 | 0.553 | 2.0   | 108   | 0.00     |
| 40 TM | Benzene                     | 1.414 | 1.402 | 0.8   | 113   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.276 | 0.291 | -5.4  | 123   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.522 | 0.568 | -8.8  | 124   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.804 | 0.840 | -4.5  | 117   | 0.00     |
| 44 TM | Trichloroethene             | 0.384 | 0.388 | -1.0  | 113   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.353 | 0.359 | -1.7# | 116   | 0.00     |
| 46 T  | Dibromomethane              | 0.263 | 0.273 | -3.8  | 118   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.489 | 0.531 | -8.6  | 118   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.388 | 0.422 | -8.8  | 121   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 21 02:09:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.010 | 0.010 | 0.0   | 114   | 0.01     |
| 50 S  | Toluene-d8                  | 1.235 | 1.290 | -4.5  | 118   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.530 | 0.549 | -3.6  | 116   | 0.00     |
| 52 CM | Toluene                     | 0.910 | 0.919 | -1.0# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.496 | 0.534 | -7.7  | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.550 | 0.579 | -5.3  | 112   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.371 | 0.387 | -4.3  | 117   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.562 | 0.601 | -6.9  | 116   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.626 | 0.647 | -3.4  | 117   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.275 | 0.287 | -4.4  | 120   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.411 | 0.424 | -3.2  | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.362 | 0.401 | -10.8 | 117   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.390 | 0.409 | -4.9  | 116   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.461 | 0.517 | -12.1 | 124   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.378 | 0.386 | -2.1  | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 1.061 | 1.099 | -3.6  | 114   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.376 | 0.416 | -10.6 | 120   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.901 | 1.979 | -4.1# | 112   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.740 | 0.763 | -3.1  | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.729 | 0.753 | -3.3  | 112   | 0.00     |
| 70 T  | Styrene                     | 1.183 | 1.257 | -6.3  | 110   | 0.00     |
| 71 P  | Bromoform                   | 0.274 | 0.311 | -13.5 | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.792 | 3.894 | -2.7  | 112   | 0.00     |
| 74 T  | N-amyl acetate              | 1.491 | 1.495 | -0.3  | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.301 | 1.313 | -0.9  | 115   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.171 | 1.199 | -2.4  | 114   | 0.00     |
| 77 T  | Bromobenzene                | 0.897 | 0.926 | -3.2  | 113   | 0.00     |
| 78 T  | n-propylbenzene             | 4.386 | 4.441 | -1.3  | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.688 | 2.726 | -1.4  | 112   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.159 | 3.323 | -5.2  | 113   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.357 | 0.348 | 2.5   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.108 | 3.187 | -2.5  | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.059 | 3.266 | -6.8  | 115   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.168 | 3.375 | -6.5  | 114   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.773 | 3.974 | -5.3  | 113   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.166 | 3.406 | -7.6  | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.760 | 1.793 | -1.9  | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.825 | 1.782 | 2.4   | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.743 | 2.886 | -5.2  | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 0.512 | 0.551 | -7.6  | 112   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.729 | 1.810 | -4.7  | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.278 | 0.326 | -17.3 | 127   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.998 | 1.100 | -10.2 | 118   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.406 | 0.437 | -7.6  | 115   | 0.00     |
| 95 T  | Naphthalene                 | 3.553 | 4.040 | -13.7 | 118   | 0.00     |

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ALS Vial : 30 Sample Multiplier: 1

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MSVOA\_X  
LabSampleId :  
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Quant Time: May 21 02:09:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.003 | 1.094 | -9.1 | 119   | 0.00     |

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