

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052522\  
 Data File : VX028966.D  
 Acq On : 25 May 2022 22:03  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 26 05:48:27 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   | 109   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.655 | 0.612 | 6.6   | 101   | 0.00     |
| 3 P   | Chloromethane               | 0.617 | 0.551 | 10.7  | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.664 | 0.605 | 8.9#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 0.523 | 0.541 | -3.4  | 124   | 0.00     |
| 6 T   | Chloroethane                | 0.467 | 0.403 | 13.7  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.059 | 0.967 | 8.7   | 99    | 0.00     |
| 8 T   | Diethyl Ether               | 0.386 | 0.364 | 5.7   | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.557 | 0.558 | -0.2  | 112   | 0.00     |
| 10 T  | Methyl Iodide               | 0.667 | 0.678 | -1.6  | 107   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.156 | 0.185 | -18.6 | 145   | 0.04     |
| 12 CM | 1,1-Dichloroethene          | 0.517 | 0.516 | 0.2#  | 110   | 0.00     |
| 13 T  | Acrolein                    | 0.112 | 0.104 | 7.1   | 115   | 0.00     |
| 14 T  | Allyl chloride              | 0.830 | 0.837 | -0.8  | 111   | 0.00     |
| 15 T  | Acrylonitrile               | 0.330 | 0.354 | -7.3  | 118   | 0.00     |
| 16 T  | Acetone                     | 0.294 | 0.299 | -1.7  | 118   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.341 | 1.077 | 19.7  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.737 | 0.816 | -10.7 | 125   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.836 | 2.047 | -11.5 | 121   | 0.00     |
| 20 T  | Methylene Chloride          | 0.617 | 0.618 | -0.2  | 115   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.583 | 0.571 | 2.1   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.774 | 1.858 | -4.7  | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.529 | 1.588 | -3.9  | 110   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.031 | 1.081 | -4.8  | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 0.462 | 0.476 | -3.0  | 114   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.808 | 0.765 | 5.3   | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.681 | 0.713 | -4.7  | 116   | 0.00     |
| 28 T  | Bromochloromethane          | 0.434 | 0.417 | 3.9   | 122   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.300 | 0.306 | -2.0  | 113   | 0.01     |
| 30 C  | Chloroform                  | 1.116 | 1.201 | -7.6# | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 0.951 | 0.874 | 8.1   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.974 | 1.048 | -7.6  | 115   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.685 | 0.697 | -1.8  | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.328 | 0.347 | -5.8  | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.492 | 0.486 | 1.2   | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.514 | 0.541 | -5.3  | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.495 | 0.531 | -7.3  | 112   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.564 | 0.558 | 1.1   | 104   | 0.00     |
| 40 TM | Benzene                     | 1.414 | 1.461 | -3.3  | 112   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.276 | 0.305 | -10.5 | 122   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.522 | 0.552 | -5.7  | 115   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.804 | 0.853 | -6.1  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 0.384 | 0.409 | -6.5  | 113   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.353 | 0.379 | -7.4# | 117   | 0.00     |
| 46 T  | Dibromomethane              | 0.263 | 0.273 | -3.8  | 113   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.489 | 0.539 | -10.2 | 114   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.388 | 0.418 | -7.7  | 114   | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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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   | 116   | 0.01     |
| 50 S  | Toluene-d8                  | 1.235 | 1.244 | -0.7  | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.530 | 0.570 | -7.5  | 115   | 0.00     |
| 52 CM | Toluene                     | 0.910 | 0.958 | -5.3# | 111   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.496 | 0.556 | -12.1 | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.550 | 0.606 | -10.2 | 112   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.371 | 0.414 | -11.6 | 119   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.562 | 0.638 | -13.5 | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.626 | 0.678 | -8.3  | 117   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.275 | 0.295 | -7.3  | 118   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.411 | 0.448 | -9.0  | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.362 | 0.426 | -17.7 | 118   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.390 | 0.433 | -11.0 | 117   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.461 | 0.505 | -9.5  | 116   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.378 | 0.397 | -5.0  | 109   | 0.00     |
| 65 PM | Chlorobenzene               | 1.061 | 1.170 | -10.3 | 115   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.376 | 0.445 | -18.4 | 122   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.901 | 2.059 | -8.3# | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.740 | 0.805 | -8.8  | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.729 | 0.793 | -8.8  | 113   | 0.00     |
| 70 T  | Styrene                     | 1.183 | 1.362 | -15.1 | 113   | 0.00     |
| 71 P  | Bromoform                   | 0.274 | 0.338 | -23.4 | 120   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.792 | 3.989 | -5.2  | 114   | 0.00     |
| 74 T  | N-amyl acetate              | 1.491 | 1.538 | -3.2  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.301 | 1.379 | -6.0  | 120   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.171 | 1.263 | -7.9  | 119   | 0.00     |
| 77 T  | Bromobenzene                | 0.897 | 0.973 | -8.5  | 117   | 0.00     |
| 78 T  | n-propylbenzene             | 4.386 | 4.535 | -3.4  | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.688 | 2.796 | -4.0  | 114   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.159 | 3.408 | -7.9  | 115   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.357 | 0.369 | -3.4  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.108 | 3.242 | -4.3  | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.059 | 3.462 | -13.2 | 121   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.168 | 3.440 | -8.6  | 115   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.773 | 4.202 | -11.4 | 118   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.166 | 3.599 | -13.7 | 118   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.760 | 1.894 | -7.6  | 117   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.825 | 1.928 | -5.6  | 117   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.743 | 2.997 | -9.3  | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 0.512 | 0.579 | -13.1 | 116   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.729 | 1.881 | -8.8  | 117   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.278 | 0.317 | -14.0 | 123   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.998 | 1.170 | -17.2 | 124   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.406 | 0.489 | -20.4 | 128   | 0.00     |
| 95 T  | Naphthalene                 | 3.553 | 4.200 | -18.2 | 121   | 0.00     |

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Quant Title : SW846 8260  
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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 | 1.162 | -15.9 | 125   | 0.00     |

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