

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061822\  
 Data File : VX029564.D  
 Acq On : 18 Jun 2022 12:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 20 01:32:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061822W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 20 01:31:01 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.606 | 0.612 | -1.0  | 90    | 0.00     |
| 3 P   | Chloromethane               | 0.652 | 0.600 | 8.0   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.601 | 0.578 | 3.8#  | 89    | 0.00     |
| 5 T   | Bromomethane                | 0.306 | 0.287 | 6.2   | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.346 | 0.337 | 2.6   | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.837 | 0.806 | 3.7   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.330 | 0.342 | -3.6  | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.525 | 0.517 | 1.5   | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 0.515 | 0.508 | 1.4   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.165 | 0.148 | 10.3  | 102   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.507 | 0.494 | 2.6#  | 91    | 0.00     |
| 13 T  | Acrolein                    | 0.036 | 0.036 | 0.0   | 100   | 0.00     |
| 14 T  | Allyl chloride              | 0.818 | 0.823 | -0.6  | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 0.310 | 0.323 | -4.2  | 97    | 0.00     |
| 16 T  | Acetone                     | 0.264 | 0.252 | 4.5   | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.313 | 1.281 | 2.4   | 91    | 0.00     |
| 18 T  | Methyl Acetate              | 0.698 | 0.706 | -1.1  | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.759 | 1.861 | -5.8  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 0.588 | 0.581 | 1.2   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.554 | 0.551 | 0.5   | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.618 | 1.640 | -1.4  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.351 | 1.442 | -6.7  | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.973 | 0.958 | 1.5   | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.417 | 0.427 | -2.4  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.757 | 0.739 | 2.4   | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.647 | 0.644 | 0.5   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 0.372 | 0.382 | -2.7  | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.278 | 0.288 | -3.6  | 96    | 0.00     |
| 30 C  | Chloroform                  | 1.030 | 1.034 | -0.4# | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 0.889 | 0.858 | 3.5   | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.908 | 0.884 | 2.6   | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.662 | 0.655 | 1.1   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.326 | 0.332 | -1.8  | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.441 | 0.429 | 2.7   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.452 | 0.487 | -7.7  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.434 | 0.434 | 0.0   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.550 | 0.555 | -0.9  | 91    | 0.00     |
| 40 TM | Benzene                     | 1.307 | 1.330 | -1.8  | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.238 | 0.260 | -9.2  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.449 | 0.459 | -2.2  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.703 | 0.754 | -7.3  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 0.448 | 0.366 | 18.3  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.321 | 0.334 | -4.0# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 0.230 | 0.246 | -7.0  | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.444 | 0.470 | -5.9  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.345 | 0.367 | -6.4  | 95    | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 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                 | 0.009 | 0.009 | 0.0   | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 1.190 | 1.216 | -2.2  | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.453 | 0.476 | -5.1  | 95    | 0.00     |
| 52 CM | Toluene                     | 0.837 | 0.852 | -1.8# | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.449 | 0.501 | -11.6 | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.502 | 0.552 | -10.0 | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.338 | 0.357 | -5.6  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.511 | 0.574 | -12.3 | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.564 | 0.592 | -5.0  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.240 | 0.252 | -5.0  | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.343 | 0.365 | -6.4  | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.329 | 0.365 | -10.9 | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.351 | 0.384 | -9.4  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.449 | 0.468 | -4.2  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.362 | 0.370 | -2.2  | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 0.981 | 1.014 | -3.4  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.352 | 0.376 | -6.8  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.765 | 1.798 | -1.9# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.688 | 0.700 | -1.7  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 0.680 | 0.695 | -2.2  | 93    | 0.00     |
| 70 T  | Styrene                     | 1.113 | 1.170 | -5.1  | 92    | 0.00     |
| 71 P  | Bromoform                   | 0.250 | 0.280 | -12.0 | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.749 | 3.715 | 0.9   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 1.302 | 1.409 | -8.2  | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.212 | 1.232 | -1.7  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.089 | 1.154 | -6.0  | 96    | 0.00     |
| 77 T  | Bromobenzene                | 0.856 | 0.873 | -2.0  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 4.222 | 4.279 | -1.4  | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.614 | 2.578 | 1.4   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.157 | 3.149 | 0.3   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.327 | 0.364 | -11.3 | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.981 | 2.961 | 0.7   | 92    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.078 | 3.075 | 0.1   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.149 | 3.150 | -0.0  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.815 | 3.890 | -2.0  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.194 | 3.282 | -2.8  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.630 | 1.676 | -2.8  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.627 | 1.643 | -1.0  | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.696 | 2.831 | -5.0  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 0.457 | 0.495 | -8.3  | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.602 | 1.640 | -2.4  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.269 | 0.279 | -3.7  | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.977 | 1.043 | -6.8  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.400 | 0.410 | -2.5  | 91    | 0.00     |
| 95 T  | Naphthalene                 | 3.507 | 3.799 | -8.3  | 95    | 0.00     |

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QLast Update : Mon Jun 20 01:31:01 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 | 0.978 | 1.035 | -5.8 | 95    | 0.00     |

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