

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123124\  
 Data File : VX044540.D  
 Acq On : 30 Dec 2024 13:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 31 04:53:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.773 | 0.704 | 8.9   | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.739 | 0.649 | 12.2  | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.770 | 0.670 | 13.0# | 94    | 0.00     |
| 5 T   | Bromomethane                | 0.546 | 0.451 | 17.4  | 90    | 0.00     |
| 6 T   | Chloroethane                | 0.480 | 0.420 | 12.5  | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.508 | 1.226 | 18.7  | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 0.515 | 0.472 | 8.3   | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.602 | 1.3   | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 0.804 | 0.802 | 0.2   | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.124 | 0.101 | 18.5  | 92    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.560 | 0.547 | 2.3#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.179 | 0.102 | 43.0# | 61    | 0.00     |
| 14 T  | Allyl chloride              | 0.933 | 0.839 | 10.1  | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 0.342 | 0.319 | 6.7   | 98    | 0.00     |
| 16 T  | Acetone                     | 0.357 | 0.291 | 18.5  | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.065 | 0.968 | 9.1   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 0.922 | 0.858 | 6.9   | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.187 | 1.898 | 13.2  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 0.671 | 0.609 | 9.2   | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.596 | 0.541 | 9.2   | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.102 | 1.821 | 13.4  | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.709 | 1.574 | 7.9   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.172 | 1.067 | 9.0   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.441 | 13.2  | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.952 | 0.888 | 6.7   | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.756 | 0.696 | 7.9   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 0.575 | 0.491 | 14.6  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.326 | 0.284 | 12.9  | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.316 | 1.161 | 11.8# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 0.946 | 0.837 | 11.5  | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.093 | 1.013 | 7.3   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.877 | 0.712 | 18.8  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.346 | 0.347 | -0.3  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.448 | 0.442 | 1.3   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.526 | 4.9   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.482 | 0.508 | -5.4  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.535 | 0.577 | -7.9  | 99    | 0.00     |
| 40 TM | Benzene                     | 1.359 | 1.402 | -3.2  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.294 | 0.285 | 3.1   | 91    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.560 | 0.548 | 2.1   | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.865 | 0.858 | 0.8   | 90    | 0.00     |
| 44 TM | Trichloroethene             | 0.339 | 0.365 | -7.7  | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.347 | 0.354 | -2.0# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.276 | -2.6  | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.465 | 0.504 | -8.4  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.420 | 0.411 | 2.1   | 89    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 31 04:53:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 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                 | 0.007 | 0.008 | -14.3  | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 1.168 | 1.152 | 1.4    | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.556 | 0.557 | -0.2   | 90    | 0.00     |
| 52 CM | Toluene                     | 0.853 | 0.875 | -2.6#  | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.455 | 0.489 | -7.5   | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.507 | 0.549 | -8.3   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.339 | 0.365 | -7.7   | 98    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.535 | 0.546 | -2.1   | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.590 | 0.603 | -2.2   | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.270 | 0.250 | 7.4    | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.408 | -1.2   | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.326 | 0.376 | -15.3  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.345 | 0.387 | -12.2  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.408 | 0.416 | -2.0   | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.332 | 0.375 | -13.0  | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 1.071 | 1.137 | -6.2   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.344 | 0.395 | -14.8  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.851 | 1.949 | -5.3#  | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.679 | 0.724 | -6.6   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.687 | 0.730 | -6.3   | 99    | 0.00     |
| 70 T  | Styrene                     | 1.102 | 1.225 | -11.2  | 101   | 0.00     |
| 71 P  | Bromoform                   | 0.219 | 0.274 | -25.1# | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.828 | 3.771 | 1.5    | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 1.769 | 1.624 | 8.2    | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.329 | 1.246 | 6.2    | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.116 | 1.048 | 6.1    | 96    | 0.00     |
| 77 T  | Bromobenzene                | 0.928 | 0.949 | -2.3   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.231 | 4.209 | 0.5    | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.736 | 2.573 | 6.0    | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.174 | 3.145 | 0.9    | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.347 | 0.342 | 1.4    | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.030 | 2.939 | 3.0    | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.137 | 3.161 | -0.8   | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.117 | 3.162 | -1.4   | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.808 | 3.920 | -2.9   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.170 | 3.289 | -3.8   | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.621 | 1.705 | -5.2   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.667 | 1.687 | -1.2   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.665 | 2.781 | -4.4   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 0.463 | 0.495 | -6.9   | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.683 | 1.724 | -2.4   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.243 | 5.8    | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.923 | 1.049 | -13.7  | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.371 | 0.442 | -19.1  | 124   | 0.00     |
| 95 T  | Naphthalene                 | 3.603 | 3.680 | -2.1   | 99    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
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 | 0.979 | 1.098 | -12.2 | 111   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6