

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123121\  
 Data File : VX026208.D  
 Acq On : 31 Dec 2021 07:30  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 31 21:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X123021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 30 08:02:21 2021  
 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.525 | 0.538 | -2.5  | 88    | 0.00     |
| 3 P   | Chloromethane               | 0.611 | 0.604 | 1.1   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.643 | 0.646 | -0.5# | 90    | 0.00     |
| 5 T   | Bromomethane                | 0.397 | 0.375 | 5.5   | 82    | 0.00     |
| 6 T   | Chloroethane                | 0.452 | 0.434 | 4.0   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.108 | 1.139 | -2.8  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 0.381 | 0.399 | -4.7  | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.584 | 0.580 | 0.7   | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.752 | 0.4   | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.144 | 0.148 | -2.8  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.554 | 0.554 | 0.0   | 90    | 0.00     |
| 13 T  | Acrolein                    | 0.052 | 0.056 | -7.7  | 107   | 0.00     |
| 14 T  | Allyl chloride              | 1.094 | 1.077 | 1.6   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 0.358 | 0.367 | -2.5  | 91    | 0.00     |
| 16 T  | Acetone                     | 0.392 | 0.344 | 12.2  | 82    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.589 | 1.564 | 1.6   | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 1.271 | 1.306 | -2.8  | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.934 | 2.000 | -3.4  | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 0.690 | 0.628 | 9.0   | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.604 | 0.592 | 2.0   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.088 | 2.169 | -3.9  | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.658 | 1.777 | -7.2  | 91    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.132 | 1.156 | -2.1  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 0.546 | 0.545 | 0.2   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.853 | 0.704 | 17.5  | 73    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.687 | 0.707 | -2.9  | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 0.502 | 0.525 | -4.6  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.344 | 0.356 | -3.5  | 91    | 0.00     |
| 30 C  | Chloroform                  | 1.197 | 1.215 | -1.5# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 1.030 | 1.028 | 0.2   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.041 | 1.095 | -5.2  | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.723 | 0.737 | -1.9  | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.330 | -1.5  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.524 | 0.526 | -0.4  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.608 | 0.643 | -5.8  | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.583 | 0.600 | -2.9  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.591 | 0.586 | 0.8   | 87    | 0.00     |
| 40 TM | Benzene                     | 1.496 | 1.485 | 0.7   | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.343 | 0.355 | -3.5  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.606 | 0.624 | -3.0  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.991 | 1.016 | -2.5  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 0.403 | 0.405 | -0.5  | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.383 | 0.388 | -1.3# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.284 | 0.287 | -1.1  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.578 | 0.594 | -2.8  | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.475 | 0.506 | -6.5  | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123121\  
 Data File : VX026208.D  
 Acq On : 31 Dec 2021 07:30  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 31 21:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X123021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 30 08:02:21 2021  
 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                 | 0.009 | 0.009 | 0.0   | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 1.209 | 1.170 | 3.2   | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.617 | 0.658 | -6.6  | 92    | 0.00     |
| 52 CM | Toluene                     | 0.921 | 0.932 | -1.2# | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.546 | 0.582 | -6.6  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.610 | 0.619 | -1.5  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.379 | 0.384 | -1.3  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.584 | 0.616 | -5.5  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.649 | 0.669 | -3.1  | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.277 | 0.320 | -15.5 | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.467 | 0.494 | -5.8  | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.429 | 0.445 | -3.7  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.405 | 0.410 | -1.2  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.430 | 0.429 | 0.2   | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.422 | 0.426 | -0.9  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.065 | 3.0   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.419 | 0.428 | -2.1  | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.964 | 1.992 | -1.4# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.733 | 0.743 | -1.4  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.717 | 0.729 | -1.7  | 88    | 0.00     |
| 70 T  | Styrene                     | 1.176 | 1.231 | -4.7  | 89    | 0.00     |
| 71 P  | Bromoform                   | 0.340 | 0.355 | -4.4  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.886 | 3.904 | -0.5  | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 1.785 | 1.949 | -9.2  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.322 | 1.281 | 3.1   | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.207 | 1.210 | -0.2  | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.922 | 0.926 | -0.4  | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 4.469 | 4.636 | -3.7  | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.751 | 2.722 | 1.1   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.225 | 3.296 | -2.2  | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.417 | 0.398 | 4.6   | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.107 | 3.166 | -1.9  | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.131 | 3.105 | 0.8   | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.223 | 3.291 | -2.1  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.907 | 3.952 | -1.2  | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.257 | 3.275 | -0.6  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.730 | 1.696 | 2.0   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.855 | 1.718 | 7.4   | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.894 | 2.833 | 2.1   | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 0.650 | 0.650 | 0.0   | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.795 | 1.678 | 6.5   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.338 | 0.340 | -0.6  | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.061 | 1.008 | 5.0   | 84    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.440 | 0.383 | 13.0  | 79    | 0.00     |
| 95 T  | Naphthalene                 | 3.864 | 3.781 | 2.1   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123121\  
Data File : VX026208.D  
Acq On : 31 Dec 2021 07:30  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 56 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 31 21:38:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X123021W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 30 08:02:21 2021  
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 | 1.079 | 1.034 | 4.2  | 84    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 5