

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012624\  
 Data File : VX039970.D  
 Acq On : 26 Jan 2024 10:02  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 29 00:35:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 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    | 64    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.647 | 0.648 | -0.2   | 63    | 0.00     |
| 3 P   | Chloromethane               | 0.739 | 0.640 | 13.4   | 57    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.697 | 0.606 | 13.1#  | 57    | 0.00     |
| 5 T   | Bromomethane                | 0.398 | 0.497 | -24.9  | 82    | 0.00     |
| 6 T   | Chloroethane                | 0.396 | 0.403 | -1.8   | 63    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.006 | 0.955 | 5.1    | 63    | 0.00     |
| 8 T   | Diethyl Ether               | 0.372 | 0.403 | -8.3   | 72    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.624 | 0.591 | 5.3    | 62    | 0.00     |
| 10 T  | Methyl Iodide               | 0.658 | 0.752 | -14.3  | 70    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.218 | 0.270 | -23.9  | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.602 | 0.578 | 4.0#   | 62    | 0.00     |
| 13 T  | Acrolein                    | 0.147 | 0.221 | -50.3# | 106   | 0.00     |
| 14 T  | Allyl chloride              | 1.184 | 1.164 | 1.7    | 64    | 0.00     |
| 15 T  | Acrylonitrile               | 0.450 | 0.496 | -10.2  | 71    | 0.00     |
| 16 T  | Acetone                     | 0.471 | 0.476 | -1.1   | 65    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.730 | 1.608 | 7.1    | 62    | 0.00     |
| 18 T  | Methyl Acetate              | 0.985 | 1.246 | -26.5# | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.136 | 2.369 | -10.9  | 73    | 0.00     |
| 20 T  | Methylene Chloride          | 0.713 | 0.766 | -7.4   | 72    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.633 | 0.678 | -7.1   | 71    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.260 | 2.419 | -7.0   | 71    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.101 | 2.298 | -9.4   | 69    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.243 | 1.275 | -2.6   | 66    | 0.00     |
| 25 T  | 2-Butanone                  | 0.677 | 0.733 | -8.3   | 69    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.998 | 0.972 | 2.6    | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.726 | 0.822 | -13.2  | 73    | 0.00     |
| 28 T  | Bromochloromethane          | 0.564 | 0.575 | -2.0   | 66    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.436 | 0.483 | -10.8  | 71    | 0.00     |
| 30 C  | Chloroform                  | 1.228 | 1.358 | -10.6# | 73    | 0.00     |
| 31 T  | Cyclohexane                 | 1.105 | 1.023 | 7.4    | 60    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.051 | 1.077 | -2.5   | 66    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.838 | 0.847 | -1.1   | 69    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.337 | 0.362 | -7.4   | 72    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.524 | 0.513 | 2.1    | 66    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.699 | 0.735 | -5.2   | 72    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.480 | 0.488 | -1.7   | 66    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.629 | 0.609 | 3.2    | 64    | 0.00     |
| 40 TM | Benzene                     | 1.484 | 1.564 | -5.4   | 70    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.342 | 0.386 | -12.9  | 69    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.564 | 0.630 | -11.7  | 73    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.026 | 1.146 | -11.7  | 71    | 0.00     |
| 44 TM | Trichloroethene             | 0.364 | 0.391 | -7.4   | 70    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.398 | 0.429 | -7.8#  | 72    | 0.00     |
| 46 T  | Dibromomethane              | 0.275 | 0.317 | -15.3  | 75    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.509 | 0.583 | -14.5  | 74    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.504 | 0.557 | -10.5  | 71    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012624\  
 Data File : VX039970.D  
 Acq On : 26 Jan 2024 10:02  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 29 00:35:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 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                 | 0.010 | 0.012 | -20.0  | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 1.270 | 1.283 | -1.0   | 68    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.707 | 0.802 | -13.4  | 73    | 0.00     |
| 52 CM | Toluene                     | 0.887 | 1.001 | -12.9# | 73    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.540 | 0.649 | -20.2  | 75    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.594 | 0.703 | -18.4  | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.377 | 0.440 | -16.7  | 77    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.611 | 0.718 | -17.5  | 74    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.640 | 0.734 | -14.7  | 75    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.289 | 0.321 | -11.1  | 70    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.559 | 0.648 | -15.9  | 73    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.356 | 0.448 | -25.8# | 80    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.391 | 0.474 | -21.2  | 78    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.497 | 0.531 | -6.8   | 72    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 68    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.325 | 0.326 | -0.3   | 73    | 0.00     |
| 65 PM | Chlorobenzene               | 1.041 | 1.139 | -9.4   | 76    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.355 | 0.400 | -12.7  | 74    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.933 | 2.035 | -5.3#  | 71    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.711 | 0.782 | -10.0  | 75    | 0.00     |
| 69 T  | o-Xylene                    | 0.704 | 0.780 | -10.8  | 76    | 0.00     |
| 70 T  | Styrene                     | 1.150 | 1.321 | -14.9  | 78    | 0.00     |
| 71 P  | Bromoform                   | 0.266 | 0.336 | -26.3# | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.981 | 3.805 | 4.4    | 73    | 0.00     |
| 74 T  | N-amyl acetate              | 2.075 | 2.115 | -1.9   | 73    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.520 | 1.530 | -0.7   | 77    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.296 | 1.276 | 1.5    | 76    | 0.00     |
| 77 T  | Bromobenzene                | 0.886 | 0.915 | -3.3   | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 4.818 | 4.654 | 3.4    | 72    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.978 | 2.774 | 6.9    | 73    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.381 | 3.348 | 1.0    | 75    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.427 | 0.437 | -2.3   | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.378 | 3.307 | 2.1    | 76    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.228 | 3.151 | 2.4    | 74    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.373 | 3.413 | -1.2   | 76    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.190 | 4.017 | 4.1    | 72    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.349 | 3.366 | -0.5   | 74    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.699 | 1.814 | -6.8   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.755 | 1.837 | -4.7   | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.234 | 3.218 | 0.5    | 73    | 0.00     |
| 90 T  | Hexachloroethane            | 0.565 | 0.545 | 3.5    | 70    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.680 | 1.763 | -4.9   | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.372 | 0.381 | -2.4   | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.026 | 1.129 | -10.0  | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.427 | 0.373 | 12.6   | 66    | 0.00     |
| 95 T  | Naphthalene                 | 3.779 | 4.204 | -11.2  | 85    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012624\  
Data File : VX039970.D  
Acq On : 26 Jan 2024 10:02  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 29 00:35:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 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 | 1.036 | 1.154 | -11.4 | 87    | 0.00     |

(#) = Out of Range

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