

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071724\  
 Data File : VX042359.D  
 Acq On : 17 Jul 2024 16:32  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 18 00:58:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 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   | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.381 | 0.406 | -6.6  | 92    | 0.00     |
| 3 P   | Chloromethane               | 0.478 | 0.389 | 18.6  | 71    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.479 | 0.403 | 15.9# | 73    | 0.00     |
| 5 T   | Bromomethane                | 0.237 | 0.227 | 4.2   | 83    | 0.00     |
| 6 T   | Chloroethane                | 0.241 | 0.227 | 5.8   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.628 | 0.688 | -9.6  | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 0.295 | 0.260 | 11.9  | 76    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.432 | 0.465 | -7.6  | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 0.537 | 0.481 | 10.4  | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.109 | 0.110 | -0.9  | 84    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 0.431 | 0.431 | 0.0   | 85    | 0.00     |
| 13 T  | Acrolein                    | 0.123 | 0.059 | 52.0# | 41#   | 0.00     |
| 14 T  | Allyl chloride              | 0.684 | 0.646 | 5.6   | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 0.286 | 0.284 | 0.7   | 82    | 0.00     |
| 16 T  | Acetone                     | 0.253 | 0.230 | 9.1   | 84    | -0.01    |
| 17 T  | Carbon Disulfide            | 0.879 | 0.827 | 5.9   | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 0.691 | 0.695 | -0.6  | 80    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.425 | 1.477 | -3.6  | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 0.554 | 0.503 | 9.2   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.438 | 0.441 | -0.7  | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.446 | 1.422 | 1.7   | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.235 | 1.240 | -0.4  | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.810 | 0.812 | -0.2  | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 0.394 | 0.380 | 3.6   | 79    | -0.02    |
| 26 T  | 2,2-Dichloropropane         | 0.586 | 0.648 | -10.6 | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.548 | 0.567 | -3.5  | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 0.347 | 0.291 | 16.1  | 74    | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.254 | 0.244 | 3.9   | 78    | -0.01    |
| 30 C  | Chloroform                  | 0.843 | 0.873 | -3.6# | 88    | -0.01    |
| 31 T  | Cyclohexane                 | 0.674 | 0.645 | 4.3   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.705 | 0.755 | -7.1  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.577 | 0.534 | 7.5   | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.355 | 0.389 | -9.6  | 91    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.377 | 0.402 | -6.6  | 88    | -0.01    |
| 37 T  | Ethyl Acetate               | 0.491 | 0.511 | -4.1  | 80    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.416 | 0.481 | -15.6 | 92    | -0.01    |
| 39 T  | Methylcyclohexane           | 0.476 | 0.531 | -11.6 | 91    | 0.00     |
| 40 TM | Benzene                     | 1.271 | 1.338 | -5.3  | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.266 | 0.282 | -6.0  | 81    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.409 | 0.429 | -4.9  | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.753 | 0.778 | -3.3  | 81    | -0.01    |
| 44 TM | Trichloroethene             | 0.341 | 0.382 | -12.0 | 90    | -0.01    |
| 45 C  | 1,2-Dichloropropane         | 0.312 | 0.331 | -6.1# | 83    | 0.00     |
| 46 T  | Dibromomethane              | 0.228 | 0.247 | -8.3  | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.418 | 0.469 | -12.2 | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.360 | 0.382 | -6.1  | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071724\  
 Data File : VX042359.D  
 Acq On : 17 Jul 2024 16:32  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 18 00:58:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 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                 | 0.009 | 0.009 | 0.0    | 84    | 0.00     |
| 50 S  | Toluene-d8                  | 1.246 | 1.243 | 0.2    | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.519 | 0.536 | -3.3   | 78    | 0.00     |
| 52 CM | Toluene                     | 0.809 | 0.889 | -9.9#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.409 | 0.472 | -15.4  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.458 | 0.529 | -15.5  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.337 | 0.371 | -10.1  | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.524 | 0.584 | -11.5  | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.545 | 0.583 | -7.0   | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.244 | 0.257 | -5.3   | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.397 | 0.413 | -4.0   | 78    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.366 | 0.433 | -18.3  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.350 | 0.392 | -12.0  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.459 | 0.512 | -11.5  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.364 | 0.404 | -11.0  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.040 | 1.138 | -9.4   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.364 | 0.417 | -14.6  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.630 | 1.828 | -12.1# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.658 | 0.738 | -12.2  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.651 | 0.732 | -12.4  | 87    | 0.00     |
| 70 T  | Styrene                     | 1.092 | 1.263 | -15.7  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.326 | 0.398 | -22.1  | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.040 | 3.201 | -5.3   | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 1.350 | 1.272 | 5.8    | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.130 | 1.062 | 6.0    | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.908 | 0.876 | 3.5    | 85    | 0.00     |
| 77 T  | Bromobenzene                | 0.905 | 0.926 | -2.3   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 3.299 | 3.521 | -6.7   | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.125 | 2.148 | -1.1   | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.532 | 2.672 | -5.5   | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.320 | 0.322 | -0.6   | 83    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.349 | 2.457 | -4.6   | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.779 | 2.917 | -5.0   | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.541 | 2.711 | -6.7   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.143 | 3.432 | -9.2   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.745 | 3.065 | -11.7  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.592 | 1.706 | -7.2   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.633 | 1.689 | -3.4   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.113 | 2.392 | -13.2  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 0.467 | 0.503 | -7.7   | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.629 | 1.688 | -3.6   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.224 | 0.227 | -1.3   | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.067 | 1.209 | -13.3  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.539 | 0.600 | -11.3  | 97    | 0.00     |
| 95 T  | Naphthalene                 | 3.289 | 3.556 | -8.1   | 85    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071724\  
Data File : VX042359.D  
Acq On : 17 Jul 2024 16:32  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 18 00:58:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 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 | 1.125 | 1.236 | -9.9 | 91    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 5