

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061024\  
 Data File : VX041818.D  
 Acq On : 10 Jun 2024 18:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 11 05:54:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.439 | 0.452 | -3.0  | 90    | 0.00     |
| 3 P   | Chloromethane               | 0.479 | 0.476 | 0.6   | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.493 | 0.497 | -0.8# | 93    | 0.00     |
| 5 T   | Bromomethane                | 0.344 | 0.321 | 6.7   | 84    | 0.00     |
| 6 T   | Chloroethane                | 0.298 | 0.279 | 6.4   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.806 | 0.904 | -12.2 | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.311 | 0.371 | -19.3 | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.457 | 0.473 | -3.5  | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 0.569 | 0.607 | -6.7  | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.108 | 0.125 | -15.7 | 109   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.448 | -0.4# | 92    | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.104 | -3.0  | 95    | 0.00     |
| 14 T  | Allyl chloride              | 0.733 | 0.805 | -9.8  | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 0.266 | 0.304 | -14.3 | 103   | 0.00     |
| 16 T  | Acetone                     | 0.310 | 0.287 | 7.4   | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 0.986 | 0.895 | 9.2   | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 0.586 | 0.732 | -24.9 | 114   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.491 | 1.599 | -7.2  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.549 | 0.531 | 3.3   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.462 | 0.463 | -0.2  | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.498 | 1.638 | -9.3  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.346 | 1.493 | -10.9 | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.847 | 0.910 | -7.4  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.381 | 0.443 | -16.3 | 103   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.695 | 0.693 | 0.3   | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.553 | 0.589 | -6.5  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 0.365 | 0.373 | -2.2  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.240 | 0.278 | -15.8 | 103   | 0.00     |
| 30 C  | Chloroform                  | 0.890 | 0.957 | -7.5# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 0.724 | 0.739 | -2.1  | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.780 | 0.828 | -6.2  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.613 | 0.609 | 0.7   | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.346 | 0.338 | 2.3   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.419 | 0.422 | -0.7  | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.528 | 0.564 | -6.8  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.476 | 0.477 | -0.2  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.514 | 0.523 | -1.8  | 92    | 0.00     |
| 40 TM | Benzene                     | 1.308 | 1.354 | -3.5  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.258 | 0.314 | -21.7 | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.488 | 0.504 | -3.3  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.798 | 0.865 | -8.4  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 0.356 | 0.360 | -1.1  | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.311 | 0.334 | -7.4# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 0.239 | 0.252 | -5.4  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.442 | 0.478 | -8.1  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.383 | 0.438 | -14.4 | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061024\  
 Data File : VX041818.D  
 Acq On : 10 Jun 2024 18:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 11 05:54:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 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                 | 0.008 | 0.010 | -25.0 | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 1.208 | 1.200 | 0.7   | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.517 | 0.605 | -17.0 | 104   | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.876 | -5.5# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.435 | 0.469 | -7.8  | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.481 | 0.519 | -7.9  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.362 | -8.1  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.511 | 0.591 | -15.7 | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.556 | 0.593 | -6.7  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.241 | 0.258 | -7.1  | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.394 | 0.471 | -19.5 | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.371 | 0.403 | -8.6  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.353 | 0.377 | -6.8  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.446 | 0.455 | -2.0  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.375 | 0.379 | -1.1  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 1.073 | 1.098 | -2.3  | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.372 | 0.394 | -5.9  | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.710 | 1.836 | -7.4# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.680 | 0.726 | -6.8  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 0.677 | 0.724 | -6.9  | 97    | 0.00     |
| 70 T  | Styrene                     | 1.118 | 1.226 | -9.7  | 97    | 0.00     |
| 71 P  | Bromoform                   | 0.324 | 0.347 | -7.1  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.102 | 3.405 | -9.8  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 1.374 | 1.607 | -17.0 | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.101 | 1.219 | -10.7 | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.872 | 0.978 | -12.2 | 100   | 0.00     |
| 77 T  | Bromobenzene                | 0.915 | 0.962 | -5.1  | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 3.406 | 3.765 | -10.5 | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.189 | 2.353 | -7.5  | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.590 | 2.876 | -11.0 | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.320 | 0.355 | -10.9 | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.490 | 2.688 | -8.0  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.789 | 3.062 | -9.8  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.624 | 2.923 | -11.4 | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.198 | 3.600 | -12.6 | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.805 | 3.141 | -12.0 | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.635 | 1.732 | -5.9  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.746 | -3.6  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.220 | 2.515 | -13.3 | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 0.477 | 0.507 | -6.3  | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.665 | 1.790 | -7.5  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.222 | 0.260 | -17.1 | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.098 | 1.173 | -6.8  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.544 | 0.552 | -1.5  | 92    | 0.00     |
| 95 T  | Naphthalene                 | 3.239 | 3.705 | -14.4 | 95    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061024\  
Data File : VX041818.D  
Acq On : 10 Jun 2024 18:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 11 05:54:21 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 30 07:36:24 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 | 1.130 | 1.227 | -8.6 | 93    | 0.00     |

(#) = Out of Range

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