

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060324\  
 Data File : VX041720.D  
 Acq On : 03 Jun 2024 21:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 04 00:56:16 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   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.439 | 0.405 | 7.7   | 84    | 0.00     |
| 3 P   | Chloromethane               | 0.479 | 0.486 | -1.5  | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.493 | 0.484 | 1.8#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 0.344 | 0.334 | 2.9   | 91    | 0.00     |
| 6 T   | Chloroethane                | 0.298 | 0.283 | 5.0   | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.806 | 0.765 | 5.1   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 0.311 | 0.331 | -6.4  | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.457 | 0.396 | 13.3  | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 0.569 | 0.622 | -9.3  | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.108 | 0.129 | -19.4 | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.433 | 2.9#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.101 | 0.0   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 0.733 | 0.755 | -3.0  | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 0.266 | 0.305 | -14.7 | 107   | 0.00     |
| 16 T  | Acetone                     | 0.310 | 0.287 | 7.4   | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 0.986 | 0.907 | 8.0   | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 0.586 | 0.696 | -18.8 | 112   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.491 | 1.658 | -11.2 | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 0.549 | 0.536 | 2.4   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.462 | 0.456 | 1.3   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.498 | 1.647 | -9.9  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.346 | 1.523 | -13.2 | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.847 | 0.886 | -4.6  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.381 | 0.447 | -17.3 | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.695 | 0.520 | 25.2# | 70    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.553 | 0.579 | -4.7  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 0.365 | 0.398 | -9.0  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.240 | 0.284 | -18.3 | 109   | 0.00     |
| 30 C  | Chloroform                  | 0.890 | 0.949 | -6.6# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.724 | 0.608 | 16.0  | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.780 | 0.793 | -1.7  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.613 | 0.673 | -9.8  | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.346 | 0.354 | -2.3  | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.419 | 0.365 | 12.9  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.528 | 0.568 | -7.6  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.476 | 0.425 | 10.7  | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.514 | 0.420 | 18.3  | 79    | 0.00     |
| 40 TM | Benzene                     | 1.308 | 1.273 | 2.7   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.258 | 0.305 | -18.2 | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.488 | 0.499 | -2.3  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.798 | 0.871 | -9.1  | 107   | 0.00     |
| 44 TM | Trichloroethene             | 0.356 | 0.332 | 6.7   | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.311 | 0.314 | -1.0# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 0.239 | 0.252 | -5.4  | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.442 | 0.466 | -5.4  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.383 | 0.434 | -13.3 | 106   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060324\  
 Data File : VX041720.D  
 Acq On : 03 Jun 2024 21:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 04 00:56:16 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 | 120   | 0.00     |
| 50 S  | Toluene-d8                  | 1.208 | 1.178 | 2.5   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.517 | 0.598 | -15.7 | 110   | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.797 | 4.0#  | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.435 | 0.456 | -4.8  | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.481 | 0.488 | -1.5  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.353 | -5.4  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.511 | 0.585 | -14.5 | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.556 | 0.571 | -2.7  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.241 | 0.266 | -10.4 | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.394 | 0.468 | -18.8 | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.371 | 0.408 | -10.0 | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.353 | 0.377 | -6.8  | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.446 | 0.444 | 0.4   | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.375 | 0.344 | 8.3   | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 1.073 | 1.040 | 3.1   | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.372 | 0.385 | -3.5  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.710 | 1.640 | 4.1#  | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.680 | 0.649 | 4.6   | 90    | 0.00     |
| 69 T  | o-Xylene                    | 0.677 | 0.667 | 1.5   | 94    | 0.00     |
| 70 T  | Styrene                     | 1.118 | 1.143 | -2.2  | 95    | 0.00     |
| 71 P  | Bromoform                   | 0.324 | 0.364 | -12.3 | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.102 | 2.980 | 3.9   | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 1.374 | 1.627 | -18.4 | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.101 | 1.182 | -7.4  | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.872 | 0.971 | -11.4 | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.915 | 0.927 | -1.3  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 3.406 | 3.244 | 4.8   | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.189 | 2.112 | 3.5   | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.590 | 2.531 | 2.3   | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.320 | 0.335 | -4.7  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.490 | 2.421 | 2.8   | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.789 | 2.675 | 4.1   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.624 | 2.602 | 0.8   | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.198 | 3.036 | 5.1   | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.805 | 2.703 | 3.6   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.635 | 1.596 | 2.4   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.595 | 5.3   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.220 | 2.093 | 5.7   | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 0.477 | 0.453 | 5.0   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.665 | 1.689 | -1.4  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.222 | 0.274 | -23.4 | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.098 | 1.109 | -1.0  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.544 | 0.476 | 12.5  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 3.239 | 3.802 | -17.4 | 103   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060324\  
Data File : VX041720.D  
Acq On : 03 Jun 2024 21:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 04 00:56:16 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 | 1.181 | -4.5 | 94    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6