

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060122\  
 Data File : VX029106.D  
 Acq On : 01 Jun 2022 10:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 02 04:41:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 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    | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.435 | 0.492 | -13.1  | 100   | 0.00     |
| 3 P   | Chloromethane               | 0.455 | 0.482 | -5.9   | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.500 | 0.546 | -9.2#  | 99    | 0.00     |
| 5 T   | Bromomethane                | 0.254 | 0.252 | 0.8    | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.335 | 0.350 | -4.5   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.777 | 0.851 | -9.5   | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 0.298 | 0.322 | -8.1   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.461 | 0.512 | -11.1  | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 0.505 | 0.631 | -25.0  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.131 | 0.117 | 10.7   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.451 | 0.478 | -6.0#  | 100   | 0.00     |
| 13 T  | Acrolein                    | 0.059 | 0.050 | 15.3   | 79    | 0.00     |
| 14 T  | Allyl chloride              | 0.677 | 0.704 | -4.0   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 0.269 | 0.284 | -5.6   | 97    | 0.00     |
| 16 T  | Acetone                     | 0.222 | 0.259 | -16.7  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.236 | 1.199 | 3.0    | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 0.574 | 0.597 | -4.0   | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.529 | 1.606 | -5.0   | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.518 | 0.548 | -5.8   | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.508 | 0.539 | -6.1   | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.354 | 1.474 | -8.9   | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.131 | 1.239 | -9.5   | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.838 | 0.903 | -7.8   | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 0.358 | 0.386 | -7.8   | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.687 | 0.713 | -3.8   | 96    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.606 | 0.630 | -4.0   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 0.337 | 0.345 | -2.4   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.230 | 0.241 | -4.8   | 95    | 0.00     |
| 30 C  | Chloroform                  | 0.928 | 1.000 | -7.8#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.733 | 0.810 | -10.5  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.841 | 0.888 | -5.6   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.564 | 0.565 | -0.2   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.332 | 0.346 | -4.2   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.427 | 0.481 | -12.6  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.414 | 0.448 | -8.2   | 93    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.488 | 0.533 | -9.2   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.528 | 0.619 | -17.2  | 103   | 0.00     |
| 40 TM | Benzene                     | 1.266 | 1.429 | -12.9  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.224 | 0.253 | -12.9  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.429 | 0.476 | -11.0  | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.648 | 0.692 | -6.8   | 93    | 0.00     |
| 44 TM | Trichloroethene             | 0.434 | 0.426 | 1.8    | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.305 | 0.348 | -14.1# | 101   | 0.00     |
| 46 T  | Dibromomethane              | 0.238 | 0.264 | -10.9  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.468 | 0.506 | -8.1   | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.315 | 0.346 | -9.8   | 95    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060122\  
 Data File : VX029106.D  
 Acq On : 01 Jun 2022 10:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 02 04:41:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 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 | 0.010 | 0.0    | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 1.215 | 1.286 | -5.8   | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.431 | 0.473 | -9.7   | 96    | 0.00     |
| 52 CM | Toluene                     | 0.845 | 0.963 | -14.0# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.481 | 0.515 | -7.1   | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.527 | 0.585 | -11.0  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.352 | 0.392 | -11.4  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.499 | 0.560 | -12.2  | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.561 | 0.630 | -12.3  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.237 | 0.241 | -1.7   | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.335 | 0.376 | -12.2  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.400 | 0.428 | -7.0   | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.380 | 0.421 | -10.8  | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.470 | 0.495 | -5.3   | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.376 | 0.430 | -14.4  | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 1.027 | 1.134 | -10.4  | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.396 | 0.424 | -7.1   | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.726 | 1.959 | -13.5# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.693 | 0.798 | -15.2  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 0.685 | 0.780 | -13.9  | 99    | 0.00     |
| 70 T  | Styrene                     | 1.140 | 1.325 | -16.2  | 100   | 0.00     |
| 71 P  | Bromoform                   | 0.342 | 0.338 | 1.2    | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.360 | 3.689 | -9.8   | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 1.088 | 1.176 | -8.1   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.133 | 1.202 | -6.1   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.014 | 1.092 | -7.7   | 100   | 0.00     |
| 77 T  | Bromobenzene                | 0.896 | 0.939 | -4.8   | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 3.737 | 4.248 | -13.7  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.362 | 2.544 | -7.7   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.877 | 3.214 | -11.7  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.345 | 0.342 | 0.9    | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.704 | 2.977 | -10.1  | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.940 | 3.192 | -8.6   | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.871 | 3.207 | -11.7  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.452 | 3.929 | -13.8  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.018 | 3.456 | -14.5  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.689 | 1.823 | -7.9   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.740 | 1.877 | -7.9   | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.449 | 2.861 | -16.8  | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 0.549 | 0.553 | -0.7   | 91    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.664 | 1.862 | -11.9  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.253 | 0.260 | -2.8   | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.038 | 1.188 | -14.5  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.475 | 0.510 | -7.4   | 105   | 0.00     |
| 95 T  | Naphthalene                 | 3.318 | 3.826 | -15.3  | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060122\  
Data File : VX029106.D  
Acq On : 01 Jun 2022 10:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 02 04:41:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 01 04:45:42 2022  
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 | 1.025 | 1.174 | -14.5 | 105   | 0.00     |

(#) = Out of Range

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