

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032421\  
 Data File : VX021472.D  
 Acq On : 25 Mar 2021 06:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 25 06:58:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 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     | 0.550 | 0.556 | -1.1  | 85    | 0.00     |
| 3 P   | Chloromethane               | 0.702 | 0.678 | 3.4   | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.562 | 0.601 | -6.9# | 89    | 0.00     |
| 5 T   | Bromomethane                | 0.226 | 0.265 | -17.3 | 102   | 0.00     |
| 6 T   | Chloroethane                | 0.357 | 0.377 | -5.6  | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.914 | 0.983 | -7.5  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.317 | 0.332 | -4.7  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.515 | 0.526 | -2.1  | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.362 | 0.418 | -15.5 | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.141 | -2.2  | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.504 | 0.518 | -2.8# | 91    | 0.00     |
| 13 T  | Acrolein                    | 0.077 | 0.067 | 13.0  | 85    | 0.00     |
| 14 T  | Allyl chloride              | 1.023 | 1.012 | 1.1   | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 0.327 | 0.351 | -7.3  | 90    | 0.00     |
| 16 T  | Acetone                     | 0.315 | 0.337 | -7.0  | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.415 | 1.370 | 3.2   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.909 | 1.040 | -14.4 | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.882 | 2.020 | -7.3  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 0.614 | 0.626 | -2.0  | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.553 | 0.572 | -3.4  | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.987 | 2.153 | -8.4  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.681 | 1.813 | -7.9  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.071 | 1.135 | -6.0  | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 0.477 | 0.512 | -7.3  | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.928 | 0.607 | 34.6# | 55    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.643 | 0.670 | -4.2  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.536 | 0.546 | -1.9  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.309 | 0.334 | -8.1  | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.131 | 1.233 | -9.0# | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 0.915 | 0.971 | -6.1  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.002 | 1.079 | -7.7  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.832 | 0.855 | -2.8  | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.355 | 0.358 | -0.8  | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.490 | 0.496 | -1.2  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.566 | 0.562 | 0.7   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.526 | 0.551 | -4.8  | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.543 | 0.527 | 2.9   | 82    | 0.00     |
| 40 TM | Benzene                     | 1.391 | 1.433 | -3.0  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.329 | 0.333 | -1.2  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.603 | 0.626 | -3.8  | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.920 | 0.948 | -3.0  | 89    | 0.00     |
| 44 TM | Trichloroethene             | 0.367 | 0.384 | -4.6  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.377 | 0.391 | -3.7# | 89    | 0.00     |
| 46 T  | Dibromomethane              | 0.275 | 0.281 | -2.2  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.559 | 0.584 | -4.5  | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.491 | 0.507 | -3.3  | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032421\  
 Data File : VX021472.D  
 Acq On : 25 Mar 2021 06:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 25 06:58:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 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   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 1.266 | 1.255 | 0.9   | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.566 | 0.603 | -6.5  | 90    | 0.00     |
| 52 CM | Toluene                     | 0.859 | 0.886 | -3.1# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.564 | 0.540 | 4.3   | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.601 | 0.580 | 3.5   | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.363 | 0.373 | -2.8  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.548 | 0.571 | -4.2  | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.621 | 0.636 | -2.4  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.307 | 0.327 | -6.5  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.425 | 0.452 | -6.4  | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.406 | 0.427 | -5.2  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.390 | 0.395 | -1.3  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.492 | 0.487 | 1.0   | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.335 | 0.349 | -4.2  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 1.004 | 1.023 | -1.9  | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.385 | 0.400 | -3.9  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.831 | 1.879 | -2.6# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.652 | 0.685 | -5.1  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 0.632 | 0.660 | -4.4  | 87    | 0.00     |
| 70 T  | Styrene                     | 1.086 | 1.140 | -5.0  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.313 | 0.324 | -3.5  | 87    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.513 | 3.614 | -2.9  | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 1.700 | 1.693 | 0.4   | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.241 | 1.263 | -1.8  | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.164 | 1.208 | -3.8  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 0.871 | 0.857 | 1.6   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 4.149 | 4.222 | -1.8  | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.517 | 2.557 | -1.6  | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.001 | 3.100 | -3.3  | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.382 | 0.336 | 12.0  | 76    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.988 | 2.986 | 0.1   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.922 | 2.904 | 0.6   | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.026 | 3.118 | -3.0  | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.371 | 3.381 | -0.3  | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.068 | 3.090 | -0.7  | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.568 | 1.558 | 0.6   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.622 | 1.573 | 3.0   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.811 | 2.743 | 2.4   | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 0.554 | 0.558 | -0.7  | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.525 | 1.553 | -1.8  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.286 | 0.305 | -6.6  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.999 | 0.974 | 2.5   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.451 | 0.419 | 7.1   | 83    | 0.00     |
| 95 T  | Naphthalene                 | 3.259 | 3.517 | -7.9  | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032421\  
Data File : VX021472.D  
Acq On : 25 Mar 2021 06:29  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 25 06:58:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 24 12:25:26 2021  
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 | 0.999 | 1.042 | -4.3 | 92    | 0.00     |

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