

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042224\  
 Data File : VX041203.D  
 Acq On : 22 Apr 2024 20:24  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 23 05:42:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 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                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 74    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 38.395  | 23.2   | 55    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.086  | -0.2   | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.061  | 5.9#   | 68    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.631  | 22.7   | 56    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.320  | 15.4   | 71    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 40.567  | 18.9   | 60    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 61.208  | -22.4  | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 36.662  | 26.7#  | 57    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.523  | 5.0    | 71    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 363.364 | -45.3# | 98    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.180  | 13.6#  | 66    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 270.059 | -8.0   | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 56.343  | -12.7  | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 330.232 | -32.1# | 92    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 314.214 | -25.7# | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.114  | -2.2   | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.706  | -19.4  | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 65.278  | -30.6# | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.677  | -9.4   | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.720  | 0.6    | 70    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 61.800  | -23.6  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 344.027 | -37.6# | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 58.441  | -16.9  | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 342.209 | -36.9# | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.876  | 6.2    | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 57.629  | -15.3  | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.000  | -12.0  | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 342.940 | -37.2# | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 58.807  | -17.6# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 38.800  | 22.4   | 56    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.704  | -1.4   | 71    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 62.811  | -25.6# | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.866  | -11.7  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 39.188  | 21.6   | 64    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 63.812  | -27.6# | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.014  | 14.0   | 68    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 34.617  | 30.8#  | 55    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.461  | 1.1    | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 63.728  | -27.5# | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.411  | -10.8  | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 60.791  | -21.6  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.656  | 10.7   | 71    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.708  | -7.4#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.763  | -13.5  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 58.414  | -16.8  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 62.755  | -25.5# | 95    | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 23 05:42:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 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                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1318.446 | -31.8# | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.606   | -1.2   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 316.383  | -26.6# | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.930   | 2.1#   | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.079   | -16.2  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.558   | -11.1  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 59.236   | -18.5  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.208   | -26.4# | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.244   | -14.5  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 268.049  | -7.2   | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 320.565  | -28.2# | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 61.074   | -22.1  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.774   | -17.5  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.426   | -6.9   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 40.539   | 18.9   | 65    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.691   | 4.6    | 77    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.446   | -8.9   | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 44.490   | 11.0#  | 70    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 88.899   | 11.1   | 70    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.151   | 3.7    | 75    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.833   | -1.7   | 77    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 67.142   | -34.3# | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.660   | 2.7    | 67    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 70.558   | -41.1# | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 68.057   | -36.1# | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 65.743   | -31.5# | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 57.216   | -14.4  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.851   | 6.3    | 63    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.993   | -2.0   | 71    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.708   | -1.4   | 70    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 64.035   | -28.1# | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.345   | -0.7   | 71    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.930   | -3.9   | 70    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.554   | -5.1   | 71    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.060   | 5.9    | 63    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 42.736   | 14.5   | 56    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.015   | 6.0    | 65    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.833   | 6.3    | 66    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 42.800   | 14.4   | 55    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.418   | -0.8   | 67    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.162   | -4.3   | 71    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 74.871   | -49.7# | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.978   | -10.0  | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.314   | 11.4   | 60    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 67.129   | -34.3# | 88    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 23 05:42:18 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 05:30:28 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               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 57.379 | -14.8 | 78    | 0.00     |

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