

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX101022\  
 Data File : VX032000.D  
 Acq On : 10 Oct 2022 10:21  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 11 12:27:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 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                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.747  | -7.5  | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.020  | 8.0   | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.573  | 6.9#  | 90    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.685  | 0.6   | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.949  | -1.9  | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.652  | 2.7   | 95    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.215  | 1.6   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.496  | 1.0   | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.597  | 2.8   | 91    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 227.844 | 8.9   | 91    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.081  | 3.8#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 294.397 | -17.8 | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.370  | -2.7  | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.435 | 2.6   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.169 | 6.7   | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.080  | -0.2  | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.814  | -1.6  | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.868  | -3.7  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.112  | 7.8   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.233  | 3.5   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.376  | -6.8  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 283.376 | -13.4 | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.940  | 0.1   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 247.503 | 1.0   | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.347  | -8.7  | 98    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.055  | 3.9   | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.337  | -0.7  | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.178 | 3.9   | 92    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 50.985  | -2.0# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.436  | 1.1   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.091  | -2.2  | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.519  | -1.0  | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.444  | -2.9  | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.923  | 0.2   | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.263  | -2.5  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.025  | -8.0  | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.711  | -5.4  | 96    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.213  | -0.4  | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.073  | -10.1 | 100   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.586  | -7.2  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.976  | -12.0 | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.680  | 2.6   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.152  | -6.3# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.115  | -4.2  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 59.314  | -18.6 | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 56.583  | -13.2 | 97    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 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                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 967.681 | 3.2   | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.188  | -0.4  | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 264.915 | -6.0  | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.358  | -0.7# | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.022  | -8.0  | 99    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 59.689  | -19.4 | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.265  | -0.5  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.590  | -11.2 | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.879  | -3.8  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 260.870 | -4.3  | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 262.428 | -5.0  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 59.897  | -19.8 | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.652  | -3.3  | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.673  | -7.3  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.882  | -1.8  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.217  | 3.6   | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.571  | -9.1  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.161  | -2.3# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.760 | -0.8  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.770  | -1.5  | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.446  | -6.9  | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 60.801  | -21.6 | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.783  | 0.4   | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 59.384  | -18.8 | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.877  | 4.2   | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 60.448  | -20.9 | 114   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.710  | 2.6   | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.288  | -2.6  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.581  | 0.8   | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.336  | -2.7  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.648  | -5.3  | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.807  | -1.6  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.134  | -0.3  | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.451  | -0.9  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.728  | -5.5  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.933  | -7.9  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.945  | 2.1   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.587  | 2.8   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.633  | -13.3 | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.627  | -11.3 | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.568  | 0.9   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.590  | -9.2  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.307  | -6.6  | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.074  | -16.1 | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.525  | -1.0  | 88    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 11 12:27:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.024 | -4.0 | 93    | 0.00     |

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