

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX022323\  
 Data File : VX034253.D  
 Acq On : 23 Feb 2023 17:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 23 21:48:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 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    | 69    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.213  | -2.4   | 67    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.199  | 3.6    | 64    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 55.833  | -11.7# | 74    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 63.785  | -27.6# | 75    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 61.191  | -22.4  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 60.656  | -21.3  | 82    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.754  | -11.5  | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.144  | 3.7    | 65    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.388  | 11.2   | 58    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 213.270 | 14.7   | 61    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.755  | 8.5#   | 62    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 219.739 | 12.1   | 64    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 42.683  | 14.6   | 57    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.032 | 6.0    | 63    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 218.463 | 12.6   | 61    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.033  | 17.9   | 55    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.273  | 5.5    | 62    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.754  | 6.5    | 63    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.099  | 9.8    | 63    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.781  | 6.4    | 62    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.410  | 1.2    | 66    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.050 | 4.8    | 64    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.933  | 8.1    | 62    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 227.455 | 9.0    | 62    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.479  | 11.0   | 61    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.635  | 4.7    | 64    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.127  | 1.7    | 68    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 232.734 | 6.9    | 63    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.242  | 3.5#   | 65    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.008  | 6.0    | 62    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.634  | 6.7    | 63    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.257  | 11.5   | 63    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 66    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.413  | 1.2    | 68    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.347  | 1.3    | 62    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.928  | 0.1    | 62    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.044  | 1.9    | 63    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.352  | 1.3    | 62    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.021  | -0.0   | 65    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.055  | 1.9    | 61    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.478  | 3.0    | 62    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.843  | 2.3    | 62    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.595  | -3.2   | 66    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.145  | -0.3#  | 64    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.386  | -0.8   | 65    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.248  | 3.5    | 62    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.215  | 3.6    | 61    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 23 21:48:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 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 | 996.307 | 0.4   | 66    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.101  | -4.2  | 70    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.819 | -7.5  | 69    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.877  | -5.8# | 68    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.196  | -0.4  | 64    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.356  | 1.3   | 62    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.609  | -7.2  | 69    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.302  | -4.6  | 66    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.239  | -4.5  | 67    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 254.980 | -2.0  | 66    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 274.149 | -9.7  | 71    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.858  | -5.7  | 68    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.438  | -6.9  | 69    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.411  | -8.8  | 73    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 70    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.166  | 1.7   | 68    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.690  | -3.4  | 71    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.216  | -0.4  | 69    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.102  | -4.2# | 70    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.578 | -6.6  | 74    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.379  | -6.8  | 73    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.639  | -9.3  | 74    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.241  | -2.5  | 70    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 77    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.380  | 1.2   | 74    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.063  | 3.9   | 74    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.301  | 3.4   | 75    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.307  | 5.4   | 73    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.362  | 1.3   | 75    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.621  | -1.2  | 75    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.992  | 2.0   | 74    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.282  | -0.6  | 76    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.168  | 9.7   | 68    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.015  | -2.0  | 77    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.108  | 1.8   | 74    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.122  | -0.2  | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.916  | -1.8  | 76    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.428  | -2.9  | 76    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.185  | -2.4  | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.109  | -2.2  | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.587  | -5.2  | 77    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.459  | 5.1   | 71    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.089  | -2.2  | 77    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.373  | 13.3  | 66    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.647  | 0.7   | 72    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.686  | 0.6   | 73    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.532  | 0.9   | 74    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 23 21:48:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
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 | 49.480 | 1.0  | 74    | 0.00     |

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