

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX090923\  
 Data File : VX037641.D  
 Acq On : 09 Sep 2023 20:40  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 11 01:30:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 09 06:38:11 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.522  | 1.0   | 92    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.424  | 3.2   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.704  | 0.6#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.561  | 2.9   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.807  | -9.6  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.992  | -6.0  | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.623  | -1.2  | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.555  | 2.9   | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.500  | -3.0  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 265.011 | -6.0  | 105   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.215  | 1.6#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 220.154 | 11.9  | 88    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.069  | -0.1  | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 250.520 | -0.2  | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 225.233 | 9.9   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.937  | 6.1   | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.421  | 1.2   | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.554  | -1.1  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.197  | -0.4  | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.688  | 2.6   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.299  | -0.6  | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.693 | -3.1  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.796  | 0.4   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 239.278 | 4.3   | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 37.150  | 25.7# | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.468  | 1.1   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.857  | -1.7  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.092 | 2.8   | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.969  | 0.1#  | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.410  | 1.2   | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.404  | -0.8  | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.766  | 14.5  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 42.627  | 14.7  | 86    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.339  | 5.3   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.444  | 5.1   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.553  | 0.9   | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.853  | 4.3   | 93    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.874  | 2.3   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.515  | 3.0   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.880  | 4.2   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.336  | -0.7  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.192  | 3.6   | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.054  | -0.1# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.173  | -0.3  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.496  | -3.0  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.088  | -2.2  | 97    | 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: Sep 11 01:30:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 09 06:38:11 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 | 995.555 | 0.4   | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.363  | 13.3  | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.927 | 0.4   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.336  | 1.3#  | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.738  | -1.5  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.432  | -0.9  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.690  | -1.4  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.271  | -6.5  | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.703  | 2.6   | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 251.959 | -0.8  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.724 | 0.1   | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.937  | -5.9  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.362  | -0.7  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.357  | 11.3  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.680  | 2.6   | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.054  | 1.9   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.988  | -4.0  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.035  | -0.1# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.915  | 0.1   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.046  | -2.1  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.270  | -4.5  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.084  | -4.2  | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.709  | 0.6   | 99    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.111  | -4.2  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.393  | 1.2   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.829  | 12.3  | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.991  | 0.0   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.144  | -0.3  | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.993  | 2.0   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.985  | 0.0   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.417  | 9.2   | 90    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.312  | 1.4   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.103  | -2.2  | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.913  | -1.8  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.382  | -0.8  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.516  | -1.0  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.983  | 2.0   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.733  | 4.5   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.838  | 0.3   | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.926  | -5.9  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.919  | 2.2   | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.314  | -0.6  | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.522  | 3.0   | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.746  | 4.5   | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.908  | -1.8  | 98    | 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: Sep 11 01:30:38 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 09 06:38:11 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 | 48.117 | 3.8  | 98    | 0.00     |

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