

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX110923\  
 Data File : VX038716.D  
 Acq On : 10 Nov 2023 09:39  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 10 16:45:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 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   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.665  | 0.7   | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.637  | 10.7  | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.644  | 2.7#  | 91    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.326  | 5.3   | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.575  | -3.2  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.638  | -3.3  | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.813  | 2.4   | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.761  | 2.5   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.508  | -9.0  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 231.734 | 7.3   | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.904  | 0.2#  | 94    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 190.647 | 23.7  | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.380  | 9.2   | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.425 | -1.8  | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.271 | 11.9  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.920  | 8.2   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.863  | -5.7  | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.483  | -1.0  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.721  | 4.6   | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.715  | 0.6   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.733  | 0.5   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 224.955 | 10.0  | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.683  | 2.6   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 241.433 | 3.4   | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 32.247  | 35.5# | 61    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.628  | 0.7   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.247  | -0.5  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.183 | 0.3   | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.360  | 3.3#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.542  | 4.9   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.431  | -0.9  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.863  | 6.3   | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.117  | 3.8   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.346  | 5.3   | 92    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.494  | 5.0   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.060  | -0.1  | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.850  | 8.3   | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.971  | 4.1   | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.946  | 2.1   | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.710  | 2.6   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.659  | 4.7   | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.505  | 1.0   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.286  | 3.4#  | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.709  | 2.6   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.035  | 3.9   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.944  | 2.1   | 92    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 10 16:45:21 2023  
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 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 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 | 1016.566 | -1.7 | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.950   | 6.1  | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.688  | 1.3  | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.630   | 0.7# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.674   | 6.7  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.749   | 6.5  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.050   | -0.1 | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.156   | -2.3 | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.311   | 1.4  | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 256.269  | -2.5 | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.280  | 3.9  | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.406   | -0.8 | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.360   | -0.7 | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.895   | 4.2  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0  | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.285   | -2.6 | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.055   | 1.9  | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.979   | -2.0 | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.097   | 1.8# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.806   | 1.2  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.870   | 0.3  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.234   | -0.5 | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.656   | -1.3 | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0  | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.513   | 1.0  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.209   | 5.6  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.503   | 3.0  | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.053   | 13.9 | 82    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.814   | 2.4  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.684   | 2.6  | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.412   | 3.2  | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.422   | 1.2  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.968   | 16.1 | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.915   | 2.2  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.619   | 2.8  | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.051   | -0.1 | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.413   | 3.2  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.165   | 1.7  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.119   | 3.8  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.270   | 5.5  | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.630   | 6.7  | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.514   | -1.0 | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.220   | 3.6  | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.987   | 0.0  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.306   | 3.4  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.465   | 7.1  | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.268   | -2.5 | 95    | 0.00     |

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ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 10 16:45:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 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 | 48.341 | 3.3  | 93    | 0.00     |

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