

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX113022\  
 Data File : VX033145.D  
 Acq On : 30 Nov 2022 20:19  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 01 00:26:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.516  | 13.0  | 95    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.511  | 11.0  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.906  | 8.2#  | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 35.930  | 28.1# | 81    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 45.745  | 8.5   | 95    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.650  | 2.7   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.252  | -6.5  | 115   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.206  | -0.4  | 106   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 37.075  | 25.8# | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 290.507 | -16.2 | 123   | 0.05     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.560  | -1.1# | 107   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 300.447 | -20.2 | 133   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.250  | -0.5  | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 267.376 | -7.0  | 115   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 217.937 | 12.8  | 92    | 0.02     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.115  | 15.8  | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.590  | -7.2  | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.908  | -7.8  | 112   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.449  | -4.9  | 107   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.825  | 2.3   | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.501  | -7.0  | 108   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 266.448 | -6.6  | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.503  | -3.0  | 110   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 251.722 | -0.7  | 106   | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.577  | 0.8   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.048  | -4.1  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.509  | -1.0  | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.913 | -4.4  | 112   | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 52.385  | -4.8# | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.091  | 1.8   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.542  | -5.1  | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.075  | 3.8   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.281  | 9.4   | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.764  | 2.5   | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.232  | -4.5  | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.830  | 0.3   | 106   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.521  | 5.0   | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.991  | 0.0   | 106   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.785  | -7.6  | 114   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.664  | -1.3  | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.844  | -5.7  | 111   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.927  | 0.1   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.356  | -4.7# | 109   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.517  | -1.0  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.159  | -4.3  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.476  | -5.0  | 111   | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 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 | 1191.845 | -19.2 | 127   | 0.06     |
| 50 S  | Toluene-d8                  | 50.000   | 45.468   | 9.1   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.079  | -6.4  | 111   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.108   | -2.2# | 107   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.290   | 1.4   | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.662   | -5.3  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.409   | -2.8  | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.406   | -10.8 | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.792   | -3.6  | 109   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 270.938  | -8.4  | 114   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 264.746  | -5.9  | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.419   | -6.8  | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.104   | -4.2  | 108   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.626   | 8.7   | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.205   | 5.6   | 103   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.558   | -1.1  | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.431   | -6.9  | 110   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.648   | -5.3# | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.851  | -2.9  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.078   | -4.2  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.938   | -5.9  | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.225   | -6.5  | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.167   | -2.3  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.555   | -9.1  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.249   | -2.5  | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.106   | -4.2  | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.716   | -1.4  | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.279   | -2.6  | 104   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.546   | -1.1  | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.049   | -2.1  | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.520   | 7.0   | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.120   | -0.2  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.857   | -3.7  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.417   | -2.8  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.532   | -3.1  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.698   | -3.4  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.877   | 0.2   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.070   | 1.9   | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.575   | -1.2  | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.598   | 0.8   | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.388   | -0.8  | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.336   | -6.7  | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.456   | -0.9  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.822   | 8.4   | 100   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.503   | -7.0  | 109   | 0.00     |

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Instrument :  
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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 | 50.621 | -1.2 | 104   | 0.00     |

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