

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX100322\  
 Data File : WX031835.D  
 Acq On : 03 Oct 2022 15:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 04 07:01:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100322W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 06:59:30 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   | 112   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.225  | -8.5  | 119   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.810  | 10.4  | 111   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.343  | 9.3#  | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 58.924  | -17.8 | 125   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.732  | -9.5  | 116   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.739  | 10.5  | 112   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.437  | -8.9  | 112   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.146  | 3.7   | 119   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.138  | -12.3 | 111   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 253.768 | -1.5  | 121   | -0.06    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.916  | 2.2#  | 118   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 221.705 | 11.3  | 104   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.077  | 7.8   | 113   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.592 | 5.8   | 112   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 287.252 | -14.9 | 117   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.531  | -9.1  | 113   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.635  | 6.7   | 116   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.002  | 2.0   | 115   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.936  | 6.1   | 115   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.514  | 3.0   | 115   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.912  | 6.2   | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.850 | 0.5   | 114   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.565  | 6.9   | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 240.084 | 4.0   | 116   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.068  | 1.9   | 117   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.699  | 2.6   | 113   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.985  | 8.0   | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 242.511 | 3.0   | 113   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.853  | 4.3#  | 112   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.583  | 4.8   | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.209  | 3.6   | 114   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.570  | 10.9  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 107   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.914  | -1.8  | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.819  | -1.6  | 113   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.568  | 0.9   | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.356  | -4.7  | 112   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.731  | -7.5  | 114   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.756  | -3.5  | 113   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.598  | -1.2  | 114   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.119  | 1.8   | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.207  | -2.4  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.904  | -7.8  | 117   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.864  | -1.7# | 113   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.390  | -4.8  | 114   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.996  | 0.0   | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.273  | -6.5  | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 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 | 1043.337 | -4.3  | 111   | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 51.646   | -3.3  | 109   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 255.632  | -2.3  | 111   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.908   | -5.8# | 114   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.399   | -6.8  | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.372   | -4.7  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.476   | -7.0  | 114   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.471   | -16.9 | 116   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.897   | -3.8  | 112   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 253.353  | -1.3  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.777  | -7.5  | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.356   | -10.7 | 115   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.537   | -7.1  | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.376   | -4.8  | 110   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.312   | -12.6 | 119   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.085   | -6.2  | 114   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.034   | -10.1 | 116   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.547   | -7.1# | 113   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.488  | -10.5 | 113   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.289   | -10.6 | 113   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.510   | -11.0 | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.036   | -12.1 | 113   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.494   | -3.0  | 113   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.621   | -9.2  | 117   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.201   | 1.6   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.711   | 14.6  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.079   | -8.2  | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.863   | -3.7  | 113   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.998   | 0.0   | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.625   | -5.3  | 114   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.577   | -7.2  | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.645   | -1.3  | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.205   | -4.4  | 111   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.424   | -4.8  | 112   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.097   | -6.2  | 114   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.750   | -9.5  | 115   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.849   | -9.7  | 115   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.270   | -4.5  | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.165   | -6.3  | 114   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.487   | -3.0  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.771   | -7.5  | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.487   | -3.0  | 113   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 59.493   | -19.0 | 120   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.427   | -16.9 | 121   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.527   | -15.1 | 114   | 0.00     |

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Oct 04 06:59:30 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 | 59.125 | -18.3 | 117   | 0.00     |

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