

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX011923\  
 Data File : VX033814.D  
 Acq On : 19 Jan 2023 20:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 20 05:24:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 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   | 113   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.295  | 9.4   | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.202  | 1.6   | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.710  | -1.4# | 99    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.690  | -7.4  | 126   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.982  | 10.0  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.738  | 8.5   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 58.400  | -16.8 | 143   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.707  | 0.6   | 143   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.396  | 7.2   | 133   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 251.917 | -0.8  | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.268  | 5.5#  | 145   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 217.163 | 13.1  | 121   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.610  | 8.8   | 125   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 233.411 | 6.6   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 244.336 | 2.3   | 125   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.188  | 11.6  | 130   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.881  | 4.2   | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.533  | 4.9   | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.174  | 1.7   | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.448  | 11.1  | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.400  | 9.2   | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 235.037 | 6.0   | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.280  | 9.4   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 223.921 | 10.4  | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.960  | 20.1  | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.615  | 8.8   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.352  | 9.3   | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.085 | 7.6   | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 45.144  | 9.7#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.909  | 12.2  | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.394  | 9.2   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.219  | 13.6  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.440  | 7.1   | 108   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.261  | 13.5  | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.377  | 1.2   | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.972  | 12.1  | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.200  | 13.6  | 97    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 44.948  | 10.1  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.236  | 3.5   | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 43.129  | 13.7  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.747  | 6.5   | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.002  | 6.0   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.400  | 7.2#  | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.726  | 8.5   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 44.982  | 10.0  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.567  | 4.9   | 101   | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 29 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 | 982.869 | 1.7  | 106   | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 46.107  | 7.8  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 236.034 | 5.6  | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.252  | 9.5# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.983  | 6.0  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.026  | 5.9  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.306  | 7.4  | 104   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.062  | -0.1 | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.832  | 6.3  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 234.879 | 6.0  | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.859 | 0.1  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.898  | 2.2  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.078  | 1.8  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.519  | 11.0 | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.660  | -1.3 | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.484  | 7.0  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.569  | 4.9  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.295  | 7.4# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.301  | 5.7  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.628  | 6.7  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.596  | 4.8  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.954  | 6.1  | 98    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.987  | 4.0  | 99    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 47.739  | 4.5  | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.115  | -0.2 | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.810  | 16.4 | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.385  | 3.2  | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 43.093  | 13.8 | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.413  | 5.2  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 43.626  | 12.7 | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.627  | 10.7 | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.912  | 6.2  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.698  | 10.6 | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.857  | 8.3  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.552  | 8.9  | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.971  | 8.1  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.111  | 7.8  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.889  | 10.2 | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.320  | 9.4  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.196  | 7.6  | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.145  | 5.7  | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.063  | 1.9  | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.864  | 4.3  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.259  | 11.5 | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.869  | 2.3  | 99    | 0.00     |

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 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 | 47.633 | 4.7  | 98    | 0.00     |

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