

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX072122\  
 Data File : VX030154.D  
 Acq On : 21 Jul 2022 00:15  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 21 03:35:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 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    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.814  | -5.6   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.243  | -4.5   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.114  | -6.2#  | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.711  | 4.6    | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.421  | -6.8   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.401  | -8.8   | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.554  | -3.1   | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 56.183  | -12.4  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.114  | -18.2  | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 271.546 | -8.6   | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 57.824  | -15.6# | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 221.960 | 11.2   | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 60.099  | -20.2  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 314.253 | -25.7# | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 332.507 | -33.0# | 117   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.796  | 2.4    | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 64.527  | -29.1# | 116   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 63.337  | -26.7# | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 60.089  | -20.2  | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 59.043  | -18.1  | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 67.406  | -34.8# | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 342.584 | -37.0# | 110   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 61.688  | -23.4  | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 329.201 | -31.7# | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.854  | 22.3   | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 58.170  | -16.3  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 63.890  | -27.8# | 109   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 324.555 | -29.8# | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 62.132  | -24.3# | 106   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 59.732  | -19.5  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 62.266  | -24.5  | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 59.956  | -19.9  | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.513  | -1.0   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.866  | -11.7  | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 60.781  | -21.6  | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.047  | -12.1  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.039  | -8.1   | 94    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.703  | -13.4  | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 61.332  | -22.7  | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 62.341  | -24.7  | 115   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 60.744  | -21.5  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.870  | 0.3    | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.980  | -14.0# | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.753  | -11.5  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.314  | -14.6  | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 65.021  | -30.0# | 114   | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1112.264 | -11.2  | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.445   | -2.9   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 312.536  | -25.0# | 113   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.703   | -9.4#  | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.903   | -9.8   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.783   | -7.6   | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.650   | -13.3  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.953   | -19.9  | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.731   | -15.5  | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 287.605  | -15.0  | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 317.259  | -26.9# | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.151   | -8.3   | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.382   | -12.8  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.237   | -8.5   | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.662   | -5.3   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.779   | -7.6   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.159   | -14.3  | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.546   | -15.1# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.583  | -12.6  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.681   | -11.4  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.848   | -11.7  | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.330   | -2.7   | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.015   | -12.0  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 63.173   | -26.3# | 111   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.890   | -7.8   | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.370   | -10.7  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.826   | -3.7   | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.439   | -12.9  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 56.133   | -12.3  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.299   | -12.6  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.683   | 4.6    | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.252   | -14.5  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.627   | -9.3   | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.129   | -14.3  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.813   | -13.6  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.952   | -11.9  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.535   | -7.1   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.116   | -6.2   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 59.347   | -18.7  | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.648   | -13.3  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.244   | -6.5   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 62.587   | -25.2# | 114   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.844   | -1.7   | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.176   | 5.6    | 90    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.110   | -10.2  | 102   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Title : SW846 8260  
QLast Update : Wed Jul 13 09:05:23 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 | 53.467 | -6.9 | 98    | 0.00     |

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