

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060622\  
 Data File : VX029252.D  
 Acq On : 06 Jun 2022 21:00  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 07 06:06:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 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    | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.411  | -8.8   | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.968  | -7.9   | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.767  | -9.5#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.257  | -4.5   | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.692  | 4.6    | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.152  | -6.3   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.100  | -8.2   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.706  | -9.4   | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.052  | -6.1   | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 242.068 | 3.2    | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.054  | -8.1#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.958 | 12.4   | 77    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 58.336  | -16.7  | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 300.078 | -20.0  | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 297.564 | -19.0  | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.261  | 9.5    | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 62.664  | -25.3# | 114   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 58.424  | -16.8  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.745  | -11.5  | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.164  | -8.3   | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 62.436  | -24.9  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 316.985 | -26.8# | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 58.891  | -17.8  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 307.871 | -23.1  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.568  | 8.9    | 80    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.333  | -8.7   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 60.847  | -21.7  | 115   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 317.111 | -26.8# | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 57.754  | -15.5# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 59.959  | -19.9  | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.553  | -11.1  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.503  | -9.0   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.079  | 7.8    | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.292  | -4.6   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 57.686  | -15.4  | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.657  | 4.7    | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.402  | -2.8   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.259  | -6.5   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 60.010  | -20.0  | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.491  | -9.0   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.734  | -11.5  | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.660  | 2.7    | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.673  | -9.3#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.209  | -4.4   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.597  | -1.2   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.978  | -16.0  | 108   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 07 06:06:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 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 | 998.391 | 0.2   | 96    | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 47.029  | 5.9   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 283.331 | -13.3 | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.284  | -4.6# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.809  | 2.4   | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.516  | -1.0  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.689  | -3.4  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.032  | -10.1 | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.439  | -6.9  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 281.948 | -12.8 | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 278.462 | -11.4 | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 45.603  | 8.8   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.078  | -0.2  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.337  | 7.3   | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.298  | 7.4   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.270  | 1.5   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.525  | 5.0   | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.021  | -6.0# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.098 | -2.1  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.664  | -1.3  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.864  | -1.7  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 40.121  | 19.8  | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.889  | -11.8 | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 60.599  | -21.2 | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.920  | -9.8  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.704  | -9.4  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.619  | 2.8   | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.052  | -14.1 | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.307  | -10.6 | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.284  | -10.6 | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.283  | 7.4   | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.322  | -10.6 | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.804  | -5.6  | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.696  | -11.4 | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.131  | -12.3 | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.773  | -7.5  | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.934  | 2.1   | 85    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.105  | 3.8   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.168  | -12.3 | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.943  | 6.1   | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.238  | 1.5   | 84    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.690  | -7.4  | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.567  | 2.9   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.081  | 7.8   | 77    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.923  | -13.8 | 92    | 0.00     |

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 07 06:06:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 01 04:45:42 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 | 50.071 | -0.1 | 86    | 0.00     |

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