

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020166.D  
 Acq On : 19 Dec 2020 13:00  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 21 02:30:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 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    | 125   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000   | 51.668  | -3.3   | 138   | 0.00     |
| 3 P   | Chloromethane               | 50.000   | 46.511  | 7.0    | 118   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000   | 47.751  | 4.5#   | 128   | 0.00     |
| 5 T   | Bromomethane                | 50.000   | 67.314  | -34.6# | 177   | 0.00     |
| 6 T   | Chloroethane                | 50.000   | 48.348  | 3.3    | 120   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000   | 49.640  | 0.7    | 135   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000   | 45.956  | 8.1    | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000   | 49.457  | 1.1    | 135   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000   | 47.669  | 4.7    | 121   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000  | 214.567 | 14.2   | 111   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000   | 48.165  | 3.7#   | 129   | 0.00     |
| 13 T  | Acrolein                    | 250.000  | 236.660 | 5.3    | 117   | 0.00     |
| 14 T  | Allyl chloride              | 50.000   | 46.675  | 6.7    | 115   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000  | 231.851 | 7.3    | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000  | 250.579 | -0.2   | 124   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000   | 46.905  | 6.2    | 126   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000   | 45.945  | 8.1    | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000   | 47.124  | 5.8    | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000   | 44.422  | 11.2   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000   | 46.673  | 6.7    | 118   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000   | 47.262  | 5.5    | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000  | 240.633 | 3.7    | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000   | 47.245  | 5.5    | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000  | 241.182 | 3.5    | 113   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000   | 48.363  | 3.3    | 123   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000   | 46.939  | 6.1    | 113   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000   | 45.857  | 8.3    | 111   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000  | 235.672 | 5.7    | 109   | 0.00     |
| 30 C  | Chloroform                  | 50.000   | 47.065  | 5.9#   | 112   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000   | 50.458  | -0.9   | 136   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000   | 48.508  | 3.0    | 124   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000   | 46.371  | 7.3    | 111   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000   | 50.000  | 0.0    | 114   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000   | 49.880  | 0.2    | 113   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000   | 50.446  | -0.9   | 127   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000   | 48.924  | 2.2    | 109   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000   | 52.082  | -4.2   | 128   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000   | 54.904  | -9.8   | 143   | 0.00     |
| 40 TM | Benzene                     | 50.000   | 49.637  | 0.7    | 114   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000   | 50.588  | -1.2   | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000   | 49.106  | 1.8    | 109   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000   | 49.464  | 1.1    | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000   | 49.023  | 2.0    | 118   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000   | 49.400  | 1.2#   | 111   | 0.00     |
| 46 T  | Dibromomethane              | 50.000   | 48.342  | 3.3    | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.364  | -0.7   | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 50.483  | -1.0   | 108   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 959.902 | 4.0    | 105   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 21 02:30:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 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) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| ----- |                             |         |         |       |       |          |
| 50 S  | Toluene-d8                  | 50.000  | 50.508  | -1.0  | 117   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000 | 251.182 | -0.5  | 108   | 0.00     |
| 52 CM | Toluene                     | 50.000  | 51.246  | -2.5# | 117   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000  | 51.405  | -2.8  | 110   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000  | 51.343  | -2.7  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000  | 50.073  | -0.1  | 111   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000  | 51.801  | -3.6  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000  | 49.949  | 0.1   | 110   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000 | 248.082 | 0.8   | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000 | 256.061 | -2.4  | 111   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000  | 51.267  | -2.5  | 110   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000  | 50.191  | -0.4  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000  | 49.536  | 0.9   | 115   | 0.00     |
|       |                             |         |         |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0   | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000  | 51.068  | -2.1  | 127   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000  | 49.331  | 1.3   | 112   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000  | 50.543  | -1.1  | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000  | 51.532  | -3.1# | 118   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000 | 105.017 | -5.0  | 118   | 0.00     |
| 69 T  | o-Xylene                    | 50.000  | 51.376  | -2.8  | 113   | 0.00     |
| 70 T  | Styrene                     | 50.000  | 52.168  | -4.3  | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000  | 50.805  | -1.6  | 112   | 0.00     |
|       |                             |         |         |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000  | 0.0   | 111   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000  | 53.012  | -6.0  | 123   | 0.00     |
| 74 T  | N-aryl acetate              | 50.000  | 50.590  | -1.2  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000  | 48.116  | 3.8   | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000  | 49.370  | 1.3   | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000  | 48.196  | 3.6   | 112   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000  | 53.217  | -6.4  | 123   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000  | 50.666  | -1.3  | 115   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000  | 52.680  | -5.4  | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000  | 50.381  | -0.8  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000  | 51.119  | -2.2  | 115   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000  | 53.169  | -6.3  | 123   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000  | 52.424  | -4.8  | 115   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000  | 54.446  | -8.9  | 130   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000  | 54.620  | -9.2  | 126   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000  | 48.463  | 3.1   | 110   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000  | 47.554  | 4.9   | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000  | 55.782  | -11.6 | 132   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000  | 51.479  | -3.0  | 123   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000  | 49.533  | 0.9   | 113   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000  | 50.639  | -1.3  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000  | 52.948  | -5.9  | 122   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000  | 55.298  | -10.6 | 149   | 0.00     |
| 95 T  | Naphthalene                 | 50.000  | 53.476  | -7.0  | 114   | 0.00     |
| 96 T  | 1,2,3-Trichlorobenzene      | 50.000  | 51.277  | -2.6  | 118   | 0.00     |
| ----- |                             |         |         |       |       |          |

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Acq On : 19 Dec 2020 13:00  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
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) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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