

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX042820\  
 Data File : VX015967.D  
 Acq On : 28 Apr 2020 17:17  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX042820

Quant Time: Apr 28 17:45:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.411  | -8.8  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.704  | -1.4  | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.381  | -6.8# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.006  | -4.0  | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.837  | -1.7  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.462  | -4.9  | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.346  | -2.7  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.850  | -3.7  | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.292  | -6.6  | 100   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 266.448 | -6.6  | 106   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.368  | -2.7# | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 261.190 | -4.5  | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.653  | -5.3  | 101   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.213 | -6.1  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 261.536 | -4.6  | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.663  | -5.3  | 104   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.535  | -7.1  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.023  | -6.0  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.149  | -0.3  | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.070  | -2.1  | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.554  | -5.1  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.814 | -7.1  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.770  | -5.5  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 266.568 | -6.6  | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.770  | -3.5  | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.427  | -2.9  | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.682  | -1.4  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.121 | -5.2  | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.202  | -4.4# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.494  | -5.0  | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.192  | -4.4  | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.178  | -2.4  | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.589  | -3.2  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.874  | -1.7  | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.165  | -6.3  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.249  | -4.5  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.997  | -4.0  | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.445  | -2.9  | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.412  | -8.8  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.175  | -2.3  | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.780  | -5.6  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.171  | 1.7   | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.114  | -4.2# | 102   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX042820\  
 Data File : VX015967.D  
 Acq On : 28 Apr 2020 17:17  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX042820

Quant Time: Apr 28 17:45:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 52.069   | -4.1  | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 53.143   | -6.3  | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 53.522   | -7.0  | 101   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1051.887 | -5.2  | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.867   | -3.7  | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.212  | -7.3  | 102   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.306   | -4.6# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.345   | -4.7  | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.197   | -4.4  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.461   | -4.9  | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.163   | -8.3  | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.541   | -5.1  | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 268.060  | -7.2  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 270.569  | -8.2  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.073   | -10.1 | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.158   | -6.3  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.958   | -3.9  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.104   | -0.2  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.473   | -2.9  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.591   | -5.2  | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.281   | -4.6# | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.676  | -3.7  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.619   | -5.2  | 101   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.742   | -5.5  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.622   | 2.8   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.713   | -7.4  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.008   | -8.0  | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.431   | -2.9  | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.132   | -6.3  | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.924   | -7.8  | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.191   | -8.4  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.314   | -6.6  | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.230   | -8.5  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.036   | -8.1  | 102   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.591   | -7.2  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.713   | -9.4  | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.259   | -8.5  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.214   | -8.4  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.029   | -8.1  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.546   | -5.1  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.216   | -4.4  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.486   | -9.0  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX042820\  
Data File : VX015967.D  
Acq On : 28 Apr 2020 17:17  
Operator : JC/SP  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX042820

Quant Time: Apr 28 17:45:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 28 17:30:11 2020  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 54.699 | -9.4 | 103   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 52.570 | -5.1 | 103   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.806 | -5.6 | 102   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.856 | -3.7 | 100   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 51.065 | -2.1 | 102   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 54.699 | -9.4 | 103   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 53.158 | -6.3 | 103   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6