

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\ VX012220\  
 Data File : VX014686.D  
 Acq On : 22 Jan 2020 12:57  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX012220

Quant Time: Jan 22 13:23:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 12:35:15 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   | 111   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.738  | 0.5   | 107   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.764  | -5.5  | 113   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.828  | -3.7# | 105   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.299  | 7.4   | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.830  | 4.3   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.331  | 3.3   | 107   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.476  | 5.0   | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.924  | 2.2   | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.108  | 9.8   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.925 | 13.6  | 109   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.098  | 1.8#  | 108   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 225.296 | 9.9   | 102   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.952  | 2.1   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.417 | 5.4   | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 223.910 | 10.4  | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.910  | 0.2   | 108   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.319  | 5.4   | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.261  | 1.5   | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.961  | 8.1   | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.641  | 4.7   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.759  | 2.5   | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.226 | -2.5  | 111   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.268  | 3.5   | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 231.316 | 7.5   | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.102  | -0.2  | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.070  | 3.9   | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.762  | 14.5  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.700 | 3.7   | 106   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.302  | 5.4#  | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.085  | -0.2  | 107   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.622  | 2.8   | 108   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.015  | 6.0   | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.917  | 4.2   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.055  | -2.1  | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.073  | -0.1  | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.154  | -2.3  | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.085  | -6.2  | 109   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.670  | 0.7   | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.968  | 4.1   | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.300  | 1.4   | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.969  | 0.1   | 107   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.157  | 3.7   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.169  | -0.3# | 106   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Quant Time: Jan 22 13:23:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 12:35:15 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   | 49.386  | 1.2   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 51.186  | -2.4  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.752  | -3.5  | 105   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 885.564 | 11.4  | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.832  | 2.3   | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 244.850 | 2.1   | 105   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.531  | -3.1# | 107   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.171  | -6.3  | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.739  | -7.5  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.466  | 1.1   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.140  | 5.7   | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.267  | 1.5   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 263.257 | -5.3  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.303 | 1.9   | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.290  | -2.6  | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.584  | 0.8   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.547  | 2.9   | 107   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.012  | 10.0  | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.380  | 1.2   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.197  | -0.4  | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.975  | -4.0# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.179 | -4.2  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.733  | -3.5  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.340  | -6.7  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.043  | -4.1  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.897  | -3.8  | 107   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.538  | -7.1  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.017  | 6.0   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.900  | 14.2  | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.164  | 1.7   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.844  | -5.7  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.398  | -0.8  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.325  | -4.7  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.119  | -4.2  | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.792  | -3.6  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.087  | -6.2  | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.694  | -5.4  | 108   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.423  | -6.8  | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.422  | -6.8  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.198  | 1.6   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.280  | 1.4   | 107   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.406  | -8.8  | 111   | 0.00     |

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX012220

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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 : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 51.497 | -3.0 | 111   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.831 | 0.3  | 107   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.342 | 3.3  | 108   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 53.238 | -6.5 | 109   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 51.560 | -3.1 | 109   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.986 | 2.0  | 107   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.932 | -3.9 | 105   | 0.00     |

(#) = Out of Range

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