

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX082720\  
 Data File : VX018088.D  
 Acq On : 27 Aug 2020 13:55  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 28 03:07:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.469  | 1.1   | 84    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.667  | 10.7  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.110  | 9.8#  | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.840  | -13.7 | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.064  | 3.9   | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.586  | -7.2  | 95    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.071  | 3.9   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.512  | 3.0   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.302  | -6.6  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 206.347 | 17.5  | 75    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.416  | 11.2# | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 183.580 | 26.6# | 67    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.608  | 6.8   | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 217.866 | 12.9  | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 201.583 | 19.4  | 76    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.548  | 10.9  | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.856  | 8.3   | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.508  | 5.0   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.904  | 4.2   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.983  | 6.0   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.065  | 7.9   | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 232.990 | 6.8   | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.151  | 7.7   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 207.880 | 16.8  | 75    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.926  | -5.9  | 96    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 43.992  | 12.0  | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.353  | 7.3   | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.409 | 16.2  | 74    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.384  | 5.2#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.261  | 7.5   | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.199  | 3.6   | 87    | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.931  | 0.1   | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.770  | -7.5  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.429  | -2.9  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.757  | 8.5   | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.313  | -8.6  | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.645  | -5.3  | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.572  | 0.9   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.174  | 7.7   | 77    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.823  | -3.6  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.645  | 6.7   | 76    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.325  | -0.7  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.924  | 2.2#  | 79    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 28 03:07:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 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) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 50.293  | -0.6  | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.164  | -4.3  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 46.823  | 6.4   | 76    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 940.740 | 5.9   | 72    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.992  | -4.0  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 238.010 | 4.8   | 75    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.075  | -0.2# | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.939  | -3.9  | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.904  | -1.8  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.213  | 1.6   | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.355  | 1.3   | 78    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.504  | 1.0   | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 231.533 | 7.4   | 76    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 252.729 | -1.1  | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.709  | -5.4  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.673  | 0.7   | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.570  | -5.1  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.929  | -7.9  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.388  | -0.8  | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.367  | -4.7  | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.046  | -4.1# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.908 | -6.9  | 83    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.258  | -4.5  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.925  | -7.8  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.805  | -7.6  | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.646  | -5.3  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.373  | 3.3   | 76    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.121  | 9.8   | 78    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.376  | 5.2   | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.402  | 1.2   | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.404  | -8.8  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.430  | -4.9  | 85    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.938  | -11.9 | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.495  | -1.0  | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.862  | -5.7  | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.950  | -7.9  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.361  | -10.7 | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.091  | -12.2 | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.021  | -16.0 | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.076  | -0.2  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.383  | -2.8  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.306  | -10.6 | 90    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 56.525 | -13.0 | 91    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 50.265 | -0.5  | 83    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.667 | 8.7   | 79    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.368 | -2.7  | 86    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 54.183 | -8.4  | 93    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 50.480 | -1.0  | 81    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 50.934 | -1.9  | 87    | 0.00     |

(#) = Out of Range

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