

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX073120\  
 Data File : VX017690.D  
 Acq On : 31 Jul 2020 10:27  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 01 03:14:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 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   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.866  | 6.3   | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.415  | 13.2  | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.867  | 14.3# | 85    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.725  | 6.5   | 83    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.545  | 2.9   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.780  | 8.4   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.820  | 4.4   | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.091  | 9.8   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.197  | 13.6  | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 210.267 | 15.9  | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.892  | 10.2# | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 282.603 | -13.0 | 102   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.398  | 9.2   | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 227.242 | 9.1   | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 202.525 | 19.0  | 75    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.406  | 19.2  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.023  | 6.0   | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.380  | 9.2   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.761  | 2.5   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.397  | 9.2   | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.707  | 4.6   | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.929 | 4.8   | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.750  | 6.5   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 227.611 | 9.0   | 83    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.830  | 0.3   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.031  | 5.9   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.440  | 9.1   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 233.877 | 6.4   | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.335  | 5.3#  | 94    | -0.02    |
| 31 T  | Cyclohexane                 | 50.000  | 47.671  | 4.7   | 94    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.572  | 4.9   | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.356  | -0.7  | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.984  | -4.0  | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.010  | -0.0  | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.293  | 5.4   | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.507  | 1.0   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.781  | 4.4   | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.654  | 2.7   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.602  | 8.8   | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.932  | 2.1   | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.338  | 5.3   | 77    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.791  | -1.6  | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.166  | 7.7#  | 93    | 0.00     |

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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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 43.739  | 12.5 | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 47.047  | 5.9  | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 44.735  | 10.5 | 84    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 882.516 | 11.7 | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.983  | 4.0  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 233.104 | 6.8  | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.615  | 6.8# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.452  | 3.1  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.963  | 4.1  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.848  | 4.3  | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.712  | 6.6  | 80    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.833  | 6.3  | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 221.301 | 11.5 | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 232.354 | 7.1  | 77    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.773  | 6.5  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.070  | 5.9  | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.991  | -2.0 | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.650  | -1.3 | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.028  | 5.9  | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.074  | 1.9  | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.913  | 0.2# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.797 | -0.8 | 89    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.927  | -3.9 | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.201  | -8.4 | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.151  | -2.3 | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.725  | -3.5 | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.450  | 3.1  | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.947  | 8.1  | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.336  | 5.3  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.237  | 1.5  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.863  | -1.7 | 99    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.595  | 0.8  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.403  | -2.8 | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.917  | 4.2  | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.459  | -0.9 | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.129  | -2.3 | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.829  | -3.7 | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.980  | -4.0 | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.321  | -0.6 | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.156  | -0.3 | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.233  | 3.5  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.671  | -1.3 | 98    | 0.00     |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 48.142 | 3.7  | 94    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 47.952 | 4.1  | 96    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.024 | 10.0 | 92    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 52.360 | -4.7 | 97    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 51.915 | -3.8 | 97    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 51.263 | -2.5 | 89    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.082 | -2.2 | 94    | 0.00     |

(#) = Out of Range

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