

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092420\  
 Data File : VN063647.D  
 Acq On : 24 Sep 2020 23:03  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 25 05:53:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 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   | 83    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.357  | 9.3   | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.790  | 16.4  | 73    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.021  | 4.0#  | 79    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.306  | -0.6  | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.619  | 0.8   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.456  | -6.9  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.698  | 6.6   | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.212  | 3.6   | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.535  | 4.9   | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 206.488 | 17.4  | 69    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.636  | 6.7#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 279.230 | -11.7 | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.359  | 11.3  | 72    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.834 | 4.1   | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.690 | 4.5   | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.623  | 16.8  | 69    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.434  | -2.9  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.506  | 5.0   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.755  | 6.5   | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.672  | 6.7   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.614  | 4.8   | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.676 | 4.5   | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.877  | 4.2   | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 236.754 | 5.3   | 79    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.477  | 23.0# | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.759  | 2.5   | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.269  | -6.5  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 237.207 | 5.1   | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.413  | -0.8# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.142  | 17.7  | 72    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.507  | 1.0   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.028  | -4.1  | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.092  | -2.2  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.568  | 4.9   | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.405  | 3.2   | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.842  | 0.3   | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.225  | 13.5  | 72    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.314  | 1.4   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.468  | -2.9  | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.618  | -1.2  | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.588  | 8.8   | 76    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.910  | 2.2   | 82    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.221  | 1.6#  | 80    | 0.00     |

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 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 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   | 50.763  | -1.5  | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 51.696  | -3.4  | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 48.526  | 2.9   | 80    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 849.726 | 15.0  | 71    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.912  | -3.8  | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 250.978 | -0.4  | 82    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.061  | -2.1# | 82    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.026  | 5.9   | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.729  | 4.5   | 77    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.920  | -3.8  | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.831  | 2.3   | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.963  | 0.1   | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 239.847 | 4.1   | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 250.061 | -0.0  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.048  | -2.1  | 83    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.742  | -1.5  | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.979  | -8.0  | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.456  | -4.9  | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.324  | 3.4   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.725  | -1.5  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.658  | 2.7#  | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.266  | 0.7   | 84    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.283  | -0.6  | 84    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.715  | -3.4  | 84    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.370  | -2.7  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.470  | 3.1   | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.111  | 7.8   | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.520  | 5.0   | 83    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.758  | 8.5   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.944  | -1.9  | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.208  | 3.6   | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.705  | 2.6   | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.948  | 2.1   | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.377  | 15.2  | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.685  | 2.6   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.519  | 5.0   | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.625  | 0.8   | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.330  | 5.3   | 81    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.055  | 3.9   | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.806  | 0.4   | 85    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.512  | 3.0   | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.103  | 7.8   | 77    | 0.00     |

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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 | 46.189 | 7.6  | 79    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 50.320 | -0.6 | 85    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.708 | 10.6 | 76    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 45.683 | 8.6  | 74    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 52.551 | -5.1 | 88    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 44.240 | 11.5 | 72    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 45.843 | 8.3  | 75    | 0.00     |

(#) = Out of Range

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