

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN060420\  
 Data File : VN061656.D  
 Acq On : 4 Jun 2020 16:53  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 05 08:13:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 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   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.301  | 9.4   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.958  | 10.1  | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.709  | 6.6#  | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.978  | 2.0   | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.064  | 7.9   | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.347  | -8.7  | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.779  | 8.4   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.146  | -0.3  | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.325  | 7.3   | 88    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 243.086 | 2.8   | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.939  | 8.1#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 214.789 | 14.1  | 84    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.007  | 10.0  | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 224.151 | 10.3  | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.202 | 6.7   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.801  | 16.4  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 43.748  | 12.5  | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.558  | 6.9   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.615  | 0.8   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.121  | 5.8   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.174  | 5.7   | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 218.053 | 12.8  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.341  | 5.3   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 214.533 | 14.2  | 83    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.059  | 1.9   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.535  | 0.9   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.624  | -1.2  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 211.751 | 15.3  | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.290  | 1.4#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.946  | 12.1  | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.777  | 2.4   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.251  | 3.5   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.963  | -5.9  | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.572  | -1.1  | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.438  | 7.1   | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.047  | -12.1 | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.794  | 6.4   | 85    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.771  | -1.5  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.675  | -5.3  | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.008  | 10.0  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.863  | -3.7  | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.612  | -1.2# | 93    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 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   | 50.218   | -0.4  | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 51.616   | -3.2  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 44.339   | 11.3  | 84    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1240.898 | -24.1 | 122   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.395   | -4.8  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 232.783  | 6.9   | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.657   | -5.3# | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.820   | -3.6  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.411   | -2.8  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.956   | -3.9  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.511   | -3.0  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.531   | -3.1  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 247.890  | 0.8   | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 232.957  | 6.8   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.637   | -9.3  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.578   | -5.2  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.890   | -7.8  | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.647   | -3.3  | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.300   | -4.6  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.575   | -7.2  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.377   | -4.8# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.239  | -5.2  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.113   | -6.2  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.354   | -8.7  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.344   | -6.7  | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.752   | 0.5   | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.631   | 8.7   | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.875   | 10.3  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.454   | 7.1   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.560   | -3.1  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.515   | 1.0   | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.091   | 1.8   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.380   | 1.2   | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.821   | 8.4   | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.483   | 1.0   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.572   | 4.9   | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.492   | -1.0  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.448   | 7.1   | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.631   | 4.7   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.257   | -4.5  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.927   | -3.9  | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.235   | 9.5   | 87    | 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 : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 58.997 | -18.0 | 116   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 51.861 | -3.7  | 99    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.603 | 14.8  | 85    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 50.657 | -1.3  | 95    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 39.381 | 21.2  | 79    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.550 | 2.9   | 87    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 48.495 | 3.0   | 90    | 0.00     |

(#) = Out of Range

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