

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122220\  
 Data File : VN065202.D  
 Acq On : 22 Dec 2020 17:06  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 23 03:39:22 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Dec 22 15:42:18 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    | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000   | 58.644   | -17.3  | 108   | 0.00     |
| 3 P   | Chloromethane               | 50.000   | 57.583   | -15.2  | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000   | 57.291   | -14.6# | 107   | 0.00     |
| 5 T   | Bromomethane                | 50.000   | 58.057   | -16.1  | 111   | 0.00     |
| 6 T   | Chloroethane                | 50.000   | 55.535   | -11.1  | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000   | 56.093   | -12.2  | 107   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000   | 54.157   | -8.3   | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000   | 56.843   | -13.7  | 110   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000   | 55.052   | -10.1  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000  | 263.377  | -5.4   | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000   | 53.543   | -7.1#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000  | 252.711  | -1.1   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000   | 55.318   | -10.6  | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000  | 275.650  | -10.3  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000  | 287.945  | -15.2  | 109   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000   | 57.208   | -14.4  | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000   | 53.583   | -7.2   | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000   | 54.958   | -9.9   | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000   | 51.024   | -2.0   | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000   | 56.605   | -13.2  | 108   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000   | 54.998   | -10.0  | 107   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000  | 281.206  | -12.5  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000   | 55.958   | -11.9  | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000  | 278.181  | -11.3  | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000   | 54.826   | -9.7   | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000   | 55.614   | -11.2  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000   | 50.902   | -1.8   | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000  | 262.211  | -4.9   | 101   | 0.00     |
| 30 C  | Chloroform                  | 50.000   | 55.777   | -11.6# | 107   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000   | 53.788   | -7.6   | 108   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000   | 55.321   | -10.6  | 106   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000   | 50.497   | -1.0   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000   | 50.000   | 0.0    | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000   | 52.243   | -4.5   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000   | 57.219   | -14.4  | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000   | 54.676   | -9.4   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000   | 57.310   | -14.6  | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000   | 59.867   | -19.7  | 110   | 0.00     |
| 40 TM | Benzene                     | 50.000   | 56.319   | -12.6  | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000   | 53.125   | -6.3   | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000   | 56.139   | -12.3  | 108   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000   | 56.271   | -12.5  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000   | 57.421   | -14.8  | 108   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000   | 56.900   | -13.8# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000   | 56.055   | -12.1  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 56.501   | -13.0  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 55.394   | -10.8  | 104   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1075.520 | -7.6   | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 23 03:39:22 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Dec 22 15:42:18 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) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| ----- |                             |         |         |        |       |          |
| 50 S  | Toluene-d8                  | 50.000  | 51.777  | -3.6   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000 | 277.409 | -11.0  | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000  | 57.399  | -14.8# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000  | 56.812  | -13.6  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000  | 56.723  | -13.4  | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000  | 55.958  | -11.9  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000  | 56.136  | -12.3  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000  | 56.685  | -13.4  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000 | 264.595 | -5.8   | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000 | 283.828 | -13.5  | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000  | 56.811  | -13.6  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000  | 56.244  | -12.5  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000  | 49.009  | 2.0    | 99    | 0.00     |
|       |                             |         |         |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0    | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000  | 55.154  | -10.3  | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000  | 56.974  | -13.9  | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000  | 57.742  | -15.5  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000  | 57.726  | -15.5# | 109   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000 | 115.829 | -15.8  | 109   | 0.00     |
| 69 T  | o-Xylene                    | 50.000  | 57.542  | -15.1  | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000  | 58.716  | -17.4  | 109   | 0.00     |
| 71 P  | Bromoform                   | 50.000  | 57.648  | -15.3  | 106   | 0.00     |
|       |                             |         |         |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000  | 0.0    | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000  | 54.652  | -9.3   | 109   | 0.00     |
| 74 T  | N-aryl acetate              | 50.000  | 55.492  | -11.0  | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000  | 54.177  | -8.4   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000  | 49.013  | 2.0    | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000  | 54.719  | -9.4   | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000  | 55.154  | -10.3  | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000  | 54.943  | -9.9   | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000  | 54.542  | -9.1   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000  | 54.284  | -8.6   | 104   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000  | 55.210  | -10.4  | 109   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000  | 55.176  | -10.4  | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000  | 56.582  | -13.2  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000  | 55.432  | -10.9  | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000  | 55.870  | -11.7  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000  | 57.260  | -14.5  | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000  | 56.364  | -12.7  | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000  | 58.247  | -16.5  | 112   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000  | 58.893  | -17.8  | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000  | 56.852  | -13.7  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000  | 56.654  | -13.3  | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000  | 54.676  | -9.4   | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000  | 55.815  | -11.6  | 114   | 0.00     |
| 95 T  | Naphthalene                 | 50.000  | 51.399  | -2.8   | 107   | 0.00     |
| 96 T  | 1,2,3-Trichlorobenzene      | 50.000  | 52.368  | -4.7   | 109   | 0.00     |
| ----- |                             |         |         |        |       |          |

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Acq On : 22 Dec 2020 17:06  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
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Quant Title : Sw846 8260  
QLast Update : Tue Dec 22 15:42:18 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) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6