

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122320\  
 Data File : VN065222.D  
 Acq On : 23 Dec 2020 9:24  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 24 04:16:16 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000   | 49.577  | 0.8   | 102   | 0.00     |
| 3 P   | Chloromethane               | 50.000   | 49.366  | 1.3   | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000   | 49.418  | 1.2#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000   | 48.437  | 3.1   | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000   | 47.285  | 5.4   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000   | 46.721  | 6.6   | 99    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000   | 45.838  | 8.3   | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000   | 47.701  | 4.6   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000   | 47.057  | 5.9   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000  | 220.380 | 11.8  | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000   | 44.613  | 10.8# | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000  | 208.213 | 16.7  | 90    | 0.00     |
| 14 T  | Allyl chloride              | 50.000   | 47.401  | 5.2   | 101   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000  | 233.203 | 6.7   | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000  | 294.668 | -17.9 | 125   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000   | 48.953  | 2.1   | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000   | 46.341  | 7.3   | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000   | 46.947  | 6.1   | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000   | 44.105  | 11.8  | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000   | 48.751  | 2.5   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000   | 46.862  | 6.3   | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000  | 238.218 | 4.7   | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000   | 47.965  | 4.1   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000  | 251.273 | -0.5  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000   | 47.203  | 5.6   | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000   | 48.352  | 3.3   | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000   | 46.372  | 7.3   | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000  | 221.322 | 11.5  | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000   | 47.582  | 4.8#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000   | 45.797  | 8.4   | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000   | 47.589  | 4.8   | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000   | 48.470  | 3.1   | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000   | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000   | 50.248  | -0.5  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000   | 49.679  | 0.6   | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000   | 46.385  | 7.2   | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000   | 48.749  | 2.5   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000   | 51.080  | -2.2  | 104   | 0.00     |
| 40 TM | Benzene                     | 50.000   | 49.363  | 1.3   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000   | 45.295  | 9.4   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000   | 48.263  | 3.5   | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000   | 47.660  | 4.7   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000   | 49.542  | 0.9   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000   | 49.469  | 1.1#  | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000   | 48.557  | 2.9   | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 48.775  | 2.5   | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 47.109  | 5.8   | 98    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 928.260 | 7.2   | 97    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 24 04:16:16 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  | 50.495  | -1.0  | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000 | 235.580 | 5.8   | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000  | 49.708  | 0.6#  | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000  | 48.840  | 2.3   | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000  | 49.148  | 1.7   | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000  | 48.043  | 3.9   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000  | 47.956  | 4.1   | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000  | 49.365  | 1.3   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000 | 181.739 | 27.3# | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000 | 250.641 | -0.3  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000  | 48.731  | 2.5   | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000  | 48.057  | 3.9   | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000  | 47.411  | 5.2   | 105   | 0.00     |
|       |                             |         |         |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000  | 48.733  | 2.5   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000  | 49.416  | 1.2   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000  | 49.549  | 0.9   | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000  | 49.441  | 1.1#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000 | 99.176  | 0.8   | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000  | 49.237  | 1.5   | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000  | 50.082  | -0.2  | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000  | 48.692  | 2.6   | 100   | 0.00     |
|       |                             |         |         |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000  | 46.662  | 6.7   | 103   | 0.00     |
| 74 T  | N-aryl acetate              | 50.000  | 46.584  | 6.8   | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000  | 44.722  | 10.6  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000  | 40.772  | 18.5  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000  | 46.679  | 6.6   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000  | 47.099  | 5.8   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000  | 46.668  | 6.7   | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000  | 46.835  | 6.3   | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000  | 45.244  | 9.5   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000  | 47.326  | 5.3   | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000  | 47.253  | 5.5   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000  | 47.704  | 4.6   | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000  | 47.270  | 5.5   | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000  | 48.030  | 3.9   | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000  | 48.863  | 2.3   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000  | 48.402  | 3.2   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000  | 49.760  | 0.5   | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000  | 49.321  | 1.4   | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000  | 49.063  | 1.9   | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000  | 46.716  | 6.6   | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000  | 47.849  | 4.3   | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000  | 47.646  | 4.7   | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000  | 45.247  | 9.5   | 103   | 0.00     |
| 96 T  | 1,2,3-Trichlorobenzene      | 50.000  | 46.248  | 7.5   | 106   | 0.00     |
| ----- |                             |         |         |       |       |          |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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