

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120221\  
 Data File : VN069707.D  
 Acq On : 2 Dec 2021 21:28  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVVN120221

Quant Time: Dec 03 08:47:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 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   | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.921  | -5.8  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.446  | 1.1   | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.005  | -0.0# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.521  | -5.0  | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.019  | -0.0  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.234  | -0.5  | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.720  | 0.6   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.038  | -0.1  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.972  | -1.9  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 244.459 | 2.2   | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.895  | 0.2#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 237.139 | 5.1   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.919  | 0.2   | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.039 | -0.4  | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 208.468 | 16.6  | 82    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.033  | -2.1  | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.998  | 4.0   | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.114  | -2.2  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.709  | 4.6   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.195  | -0.4  | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.430  | -2.9  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 264.142 | -5.7  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.409  | -0.8  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.801 | 4.5   | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.083  | 5.8   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.891  | 0.2   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.313  | -0.6  | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 256.496 | -2.6  | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.520  | -1.0# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.130  | 1.7   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.270  | -2.5  | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.295  | 7.4   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 107   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.120  | 5.8   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.352  | -2.7  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.888  | 0.2   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.386  | -2.8  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.428  | -4.9  | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.845  | -1.7  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.795  | -5.6  | 100   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.947  | 0.1   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.912  | -3.8  | 101   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.297  | -2.6  | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.151  | -2.3# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.588  | -3.2  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.669  | -5.3  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.793  | -3.6  | 100   | 0.00     |

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

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN120221

Quant Time: Dec 03 08:47:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1022.850 | -2.3  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.224   | 5.6   | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 267.725  | -7.1  | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.234   | -4.5# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.334   | 5.3   | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.653   | 2.7   | 100   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.275   | -2.5  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.999   | 4.0   | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.382   | -2.8  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 220.439  | 11.8  | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 260.370  | -4.1  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.380   | 3.2   | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.266   | -4.5  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.518   | 5.0   | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.481   | -1.0  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.687   | -1.4  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.413   | -4.8  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.223   | -4.4# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.012  | -5.0  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.950   | -3.9  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.700   | -7.4  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.219   | 5.6   | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.117   | 1.8   | 101   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.447   | -0.9  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.567   | 4.9   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.650   | 14.7  | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.847   | 4.3   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.226   | -0.5  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.347   | 3.3   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.089   | -0.2  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.019   | 6.0   | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.308   | 1.4   | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.349   | 1.3   | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.249   | -2.5  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.618   | -1.2  | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.355   | -2.7  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.320   | 1.4   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.629   | 2.7   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.639   | -3.3  | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.187   | -2.4  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.111   | 1.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.487   | 1.0   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.594   | 6.8   | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.443   | 1.1   | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.625   | 10.8  | 98    | 0.00     |

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Sample : VSTDICV050  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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ICVVN120221

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Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.440 | 7.1  | 98    | 0.00     |

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