

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041521\  
 Data File : VN066612.D  
 Acq On : 15 Apr 2021 14:33  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN041521

Quant Time: Apr 16 08:04:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041521W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 15 19:16:35 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  | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.079  | 5.8  | 95    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.002  | 16.0 | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.774  | 6.5# | 98    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.275  | 9.5  | 93    | 0.02     |
| 6 T   | Chloroethane                | 50.000  | 46.691  | 6.6  | 100   | 0.01     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.926  | 8.1  | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.730  | 4.5  | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.576  | 2.8  | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.930  | 0.1  | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 195.207 | 21.9 | 78    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.374  | 3.3# | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 191.213 | 23.5 | 72    | 0.00     |
| 14 T  | Allyl chloride              | 250.000 | 233.931 | 6.4  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 221.676 | 11.3 | 87    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 274.184 | -9.7 | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.270  | 13.5 | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.287  | 15.4 | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.715  | 2.6  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.414  | 13.2 | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.630  | 2.7  | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.814  | 0.4  | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 244.677 | 2.1  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.236  | 7.5  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 225.479 | 9.8  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.546  | 0.9  | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.924  | 2.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.835  | 6.3  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 218.908 | 12.4 | 86    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.829  | 4.3# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.554  | 4.9  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.966  | 4.1  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.828  | 12.3 | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.546  | 4.9  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.726  | -1.5 | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.857  | 6.3  | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.843  | 0.3  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.597  | -9.2 | 102   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.790  | 0.4  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.873  | 10.3 | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.855  | 4.3  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.776  | 6.4  | 89    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.489  | -1.0 | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.921  | 2.2# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.042  | 3.9  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.367  | 1.3  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.497  | 3.0  | 88    | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN041521

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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 15 19:16:35 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 | 831.341 | 16.9  | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.708  | 4.6   | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 231.507 | 7.4   | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.411  | -2.8# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.539  | -3.1  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.556  | -3.1  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.352  | 3.3   | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.619  | 2.8   | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.545  | 0.9   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 202.899 | 18.8  | 73    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 223.867 | 10.5  | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.094  | -0.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.617  | 0.8   | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.779  | 0.4   | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 88    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.999  | -6.0  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.962  | -1.9  | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.602  | -3.2  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.135  | -8.3# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.450 | -11.5 | 95    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.662  | -11.3 | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.004  | -18.0 | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.248  | -8.5  | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.520  | -3.0  | 94    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 47.618  | 4.8   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.545  | 10.9  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.387  | 3.2   | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.094  | -2.2  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.843  | -5.7  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.620  | -1.2  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.832  | -3.7  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.137  | 5.7   | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.188  | -6.4  | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.399  | -2.8  | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.031  | -6.1  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.874  | -5.7  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.826  | -11.7 | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.738  | -1.5  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.880  | -5.8  | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.619  | -13.2 | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.816  | 4.4   | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.423  | 1.2   | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 41.294  | 17.4  | 80    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.438  | -2.9  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.254  | 1.5   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.986  | 12.0  | 83    | 0.00     |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Title : SW846 8260  
QLast Update : Thu Apr 15 19:16:35 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 | 46.124 | 7.8  | 90    | 0.00     |

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