

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061021\  
 Data File : VN067259.D  
 Acq On : 10 Jun 2021 9:32  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDIC005

Quant Time: Jun 10 11:15:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 11:15:29 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 6.615  | 86.8# | 10    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 5.958  | 88.1# | 11    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 2.883  | 94.2# | 11    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 1.805  | 96.4# | 12    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 2.203  | 95.6# | 11    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 1.722  | 96.6# | 11    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 5.825  | 88.3# | 11    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 6.849  | 86.3# | 11    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 5.163  | 89.7# | 9     | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 34.436 | 86.2# | 10    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 6.843  | 86.3# | 11    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 32.043 | 87.2# | 12    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 7.578  | 84.8# | 10    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 30.927 | 87.6# | 9     | 0.00     |
| 16 T  | Acetone                     | 250.000 | 46.972 | 81.2# | 12    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 6.971  | 86.1# | 12    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 6.166  | 87.7# | 9     | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 6.327  | 87.3# | 10    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 6.436  | 87.1# | 11    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 5.435  | 89.1# | 10    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 6.240  | 87.5# | 10    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 31.330 | 87.5# | 10    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 6.406  | 87.2# | 10    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 34.705 | 86.1# | 10    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 6.613  | 86.8# | 11    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 5.549  | 88.9# | 10    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 6.295  | 87.4# | 11    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 28.272 | 88.7# | 9     | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 5.781  | 88.4# | 10    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 7.406  | 85.2# | 13    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 5.779  | 88.4# | 10    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 7.065  | 85.9# | 12    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000 | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 5.674  | 88.7# | 11    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 6.099  | 87.8# | 11    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 5.446  | 89.1# | 9     | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 5.750  | 88.5# | 10    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 5.752  | 88.5# | 11    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 5.411  | 89.2# | 10    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 5.628  | 88.7# | 9     | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 6.427  | 87.1# | 11    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 6.082  | 87.8# | 10    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 5.244  | 89.5# | 11    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 5.898  | 88.2# | 10    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 5.161  | 89.7# | 10    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 5.718  | 88.6# | 10    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 6.330  | 87.3# | 10    | 0.00     |

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 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDIC005

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 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 11:15:29 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 | 98.042 | 90.2# | 10    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 4.974  | 90.1# | 11    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 27.526 | 89.0# | 10    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 4.855  | 90.3# | 10    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 5.581  | 88.8# | 10    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 5.803  | 88.4# | 10    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 4.716  | 90.6# | 10    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 5.288  | 89.4# | 10    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 5.382  | 89.2# | 10    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 22.578 | 91.0# | 8     | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 28.706 | 88.5# | 10    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 4.954  | 90.1# | 10    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 4.812  | 90.4# | 10    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 5.899  | 88.2# | 12    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000 | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 5.602  | 88.8# | 11    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 5.240  | 89.5# | 10    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 5.333  | 89.3# | 10    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 5.614  | 88.8# | 10    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 10.353 | 89.6# | 10    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 5.112  | 89.8# | 10    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 4.972  | 90.1# | 10    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 4.730  | 90.5# | 10    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000 | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 6.212  | 87.6# | 10    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 6.863  | 86.3# | 9     | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 6.241  | 87.5# | 10    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 7.271  | 85.5# | 11    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 5.752  | 88.5# | 10    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 6.327  | 87.3# | 10    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 6.370  | 87.3# | 10    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 6.287  | 87.4# | 10    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 6.447  | 87.1# | 10    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 6.615  | 86.8# | 10    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 5.864  | 88.3# | 10    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 6.073  | 87.9# | 10    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 6.069  | 87.9# | 10    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 5.958  | 88.1# | 10    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 5.378  | 89.2# | 10    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 5.389  | 89.2# | 10    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 5.982  | 88.0# | 10    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 6.512  | 87.0# | 10    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 5.265  | 89.5# | 10    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 7.708  | 84.6# | 10    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 4.722  | 90.6# | 8     | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 6.910  | 86.2# | 10    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 4.056  | 91.9# | 7     | 0.00     |

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Sample : VSTDIC005  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDIC005

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Quant Title : SW846 8260  
QLast Update : Thu Jun 10 11:15:29 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 | 4.639 | 90.7# | 8     | 0.00     |

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