

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091621\  
 Data File : VN068499.D  
 Acq On : 16 Sep 2021 14:58  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 02:01:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 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  | 45.104  | 9.8   | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.249  | 17.5  | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 40.957  | 18.1# | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.229  | 7.5   | 113   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 40.257  | 19.5  | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.176  | 11.6  | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.984  | 2.0   | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.170  | 7.7   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.137  | -2.3  | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 243.100 | 2.8   | 102   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.594  | 6.8#  | 100   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 210.173 | 15.9  | 93    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.376  | 9.2   | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.301 | 6.3   | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 209.515 | 16.2  | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.633  | 12.7  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.141  | 5.7   | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.481  | 1.0   | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.182  | -2.4  | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.280  | 7.4   | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.171  | 3.7   | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.940 | 0.4   | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.023  | 10.0  | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 232.911 | 6.8   | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.548  | 4.9   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.651  | 4.7   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.986  | 4.0   | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 229.579 | 8.2   | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.468  | 7.1#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.252  | 15.5  | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.576  | 4.8   | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.257  | 7.5   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.802  | -3.6  | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.307  | 1.4   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.779  | -1.6  | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.980  | -6.0  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.508  | -5.0  | 99    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.555  | -3.1  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.882  | 6.2   | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.682  | 2.6   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.674  | -1.3  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.932  | -5.9  | 103   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.356  | -0.7# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.198  | -4.4  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.801  | -5.6  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.838  | -9.7  | 100   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 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 | 1058.882 | -5.9   | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.730   | -5.5   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.730  | -5.1   | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.668   | -9.3#  | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.362   | -14.7  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.501   | -11.0  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.372   | -10.7  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.618   | -19.2  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.576   | -7.2   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 305.600  | -22.2  | 128   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 273.503  | -9.4   | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.322   | -20.6  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.798   | -13.6  | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.448   | -12.9  | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.764   | -5.5   | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.873   | -5.7   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.365   | -10.7  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.235   | -6.5#  | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.023  | -11.0  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.413   | -12.8  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.897   | -17.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 64.521   | -29.0# | 110   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.355   | -0.7   | 104   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.828   | -5.7   | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.398   | 7.2    | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.221   | 17.6   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.210   | -6.4   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.668   | -1.3   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.873   | 2.3    | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.910   | -3.8   | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.187   | -16.4  | 115   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.398   | 1.2    | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.781   | -5.6   | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.417   | -4.8   | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.296   | -4.6   | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.331   | -8.7   | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.072   | -6.1   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.812   | -5.6   | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.631   | -5.3   | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.847   | -9.7   | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.849   | -7.7   | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.644   | -1.3   | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 61.426   | -22.9  | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 59.450   | -18.9  | 113   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.951   | 2.1    | 105   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 10 04:04:05 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 | 60.251 | -20.5 | 106   | 0.00     |

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