

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111721\  
 Data File : VN069541.D  
 Acq On : 17 Nov 2021 20:01  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 18 07:12:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 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    | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.188  | 5.6    | 84    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.510  | 7.0    | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.597  | 6.8#   | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.727  | -7.5   | 107   | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 46.658  | 6.7    | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.272  | 9.5    | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.049  | -2.1   | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.349  | -0.7   | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.767  | -5.5   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 270.982 | -8.4   | 103   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.455  | 1.1#   | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 277.935 | -11.2  | 108   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.489  | -3.0   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 295.490 | -18.2  | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.387 | 2.6    | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.492  | 23.0   | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.263  | -10.5  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.633  | -9.3   | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.218  | -0.4   | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.091  | -0.2   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.572  | -9.1   | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 279.237 | -11.7  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.770  | -5.5   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 282.018 | -12.8  | 103   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.052  | 3.9    | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.699  | -7.4   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.784  | -3.6   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 296.364 | -18.5  | 106   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.770  | -7.5#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.459  | 9.1    | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.846  | -5.7   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.104  | -8.2   | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.804  | -9.6   | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.059  | -2.1   | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 60.317  | -20.6  | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.362  | -4.7   | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.897  | 2.2    | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.204  | -6.4   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.750  | -15.5  | 111   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.850  | -9.7   | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.404  | -14.8  | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.801  | -3.6   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.859  | -11.7# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.147  | -8.3   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.592  | -11.2  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 56.352  | -12.7  | 97    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 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 | 1042.652 | -4.3  | 104   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.743   | -7.5  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 308.112  | -23.2 | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.657   | -7.3# | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.025   | 6.0   | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.783   | 2.4   | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.495   | -15.0 | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.461   | -2.9  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.020   | -12.0 | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 249.089  | 0.4   | 111   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 266.231  | -6.5  | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.750   | 2.5   | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.887   | -3.8  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.464   | -10.9 | 105   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.328   | -2.7  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.293   | -6.6  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.336   | -12.7 | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.097   | -6.2# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.438  | -7.4  | 95    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.519   | -9.0  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.899   | 0.2   | 97    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.393   | 7.2   | 94    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.250   | -2.5  | 96    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 56.333   | -12.7 | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.215   | -8.4  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 59.504   | -19.0 | 111   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.190   | -4.4  | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.563   | -3.1  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.566   | -3.1  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.822   | -3.6  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.178   | 9.6   | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.388   | -2.8  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.076   | -6.2  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.617   | -5.2  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.987   | -6.0  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.818   | -5.6  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.702   | -5.4  | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.572   | -3.1  | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.963   | -3.9  | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.542   | 4.9   | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.898   | -7.8  | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.440   | -0.9  | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.518   | 7.0   | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 56.659   | -13.3 | 100   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.505   | 7.0   | 98    | 0.00     |

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.269 | 3.5  | 96    | 0.00     |

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