

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021121\  
 Data File : VN065829.D  
 Acq On : 11 Feb 2021 21:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 12 01:33:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.499  | -7.0  | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.180  | -0.4  | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.349  | -6.7# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 57.807  | -15.6 | 108   | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 55.636  | -11.3 | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 55.866  | -11.7 | 104   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.369  | -10.7 | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 56.102  | -12.2 | 106   | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 60.692  | -21.4 | 113   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 208.154 | 16.7  | 77    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.300  | -8.6# | 107   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 304.391 | -21.8 | 118   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.742  | 0.5   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.292 | -5.7  | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 218.163 | 12.7  | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.732  | -1.5  | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.209  | -0.4  | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.562  | -7.1  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.146  | -10.3 | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.736  | -9.5  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.988  | 0.0   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 246.575 | 1.4   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.767  | -9.5  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.162 | 2.7   | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.976  | 6.0   | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.467  | -10.9 | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.481  | 13.0  | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 233.428 | 6.6   | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.898  | -7.8# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.424  | 3.2   | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.189  | -6.4  | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.907  | 10.2  | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.636  | 0.7   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.004  | -10.0 | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.865  | -1.7  | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.885  | -9.8  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.927  | 2.1   | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.324  | -12.6 | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.041  | 7.9   | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.957  | -9.9  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.807  | 6.4   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 57.923  | -15.8 | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.948  | -9.9# | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.613  | -13.2 | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.933  | -3.9  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.957  | 4.1   | 89    | 0.00     |

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 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 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 | 984.893 | 1.5    | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.400  | 3.2    | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.847 | 0.1    | 91    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.203  | -16.4# | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.256  | -4.5   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.642  | -9.3   | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.886  | -15.8  | 108   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.111  | -10.2  | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.718  | -15.4  | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 207.904 | 16.8   | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.082 | -2.0   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.701  | -13.4  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.583  | -17.2  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.528  | -3.1   | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.700  | -3.4   | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 58.565  | -17.1  | 114   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.972  | -9.9   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.621  | -11.2# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 115.169 | -15.2  | 111   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 58.572  | -17.1  | 114   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.834  | -19.7  | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.288  | -4.6   | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.812  | -7.6   | 109   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.100  | -0.2   | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.737  | -5.5   | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.823  | 0.4    | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 57.153  | -14.3  | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.415  | -2.8   | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.350  | -4.7   | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.689  | -3.4   | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.517  | 13.0   | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.216  | -4.4   | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.002  | -2.0   | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.930  | -5.9   | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.459  | 1.1    | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.028  | -0.1   | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.616  | -13.2  | 114   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.346  | -10.7  | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.062  | 3.9    | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.688  | 8.6    | 91    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.227  | -12.5  | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.941  | 4.1    | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.792  | 4.4    | 101   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.993  | 10.0   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.597  | -1.2   | 108   | 0.00     |

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Instrument :  
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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 | 48.858 | 2.3  | 104   | 0.00     |

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