

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051724\  
 Data File : VN082198.D  
 Acq On : 17 May 2024 22:58  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 18 00:14:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 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  | 45.601  | 8.8   | 84    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.944  | 10.1  | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.268  | 7.5#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.749  | 20.5  | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.121  | 7.8   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.120  | 3.8   | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.957  | 2.1   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.823  | 8.4   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.489  | 9.0   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.219 | 9.5   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.747  | 4.5#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 182.869 | 26.9# | 66    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.680  | 10.6  | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.980 | 4.0   | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.251 | 11.9  | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.412  | 13.2  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.669  | 4.7   | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.459  | 3.1   | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.964  | 6.1   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.714  | 6.6   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.065  | 1.9   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 243.857 | 2.5   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.400  | 3.2   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 235.591 | 5.8   | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.913  | 20.2  | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.100  | 3.8   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.418  | 7.2   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.626 | 3.3   | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.391  | 3.2#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.507  | 13.0  | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.833  | 2.3   | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.140  | -0.3  | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.791  | -3.6  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.145  | 5.7   | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.668  | 6.7   | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.250  | 3.5   | 92    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.744  | 2.5   | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.687  | 2.6   | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.539  | 4.9   | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.855  | 4.3   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 61.033  | -22.1 | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.915  | 6.2   | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.362  | 3.3#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.159  | 5.7   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.402  | 1.2   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.660  | 2.7   | 90    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 18 00:14:00 2024  
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 Quant Title : SW846 8260  
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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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 973.660 | 2.6  | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.555  | -3.1 | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 245.237 | 1.9  | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.974  | 0.1# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.105  | 1.8  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.365  | 3.3  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.983  | 2.0  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.083  | -2.2 | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.279  | 3.4  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 255.623 | -2.2 | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.175 | 1.9  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.995  | -6.0 | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.476  | 3.0  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.743  | -3.5 | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.649  | 12.7 | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.738  | 4.5  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.863  | 0.3  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.528  | 0.9# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.511  | 0.5  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.157  | -0.3 | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.057  | -4.1 | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.646  | 4.7  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.974  | 2.1  | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.329  | 3.3  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.054  | 3.9  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.203  | 3.6  | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.541  | 4.9  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.162  | -0.3 | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.959  | 4.1  | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.215  | -0.4 | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.509  | 11.0 | 85    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.849  | 2.3  | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.443  | 1.1  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.392  | -0.8 | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.277  | -0.6 | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.463  | -2.9 | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.740  | 2.5  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.425  | 5.2  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.638  | 0.7  | 89    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.837  | -1.7 | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.003  | 2.0  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.524  | 3.0  | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.234  | 3.5  | 89    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.343  | 11.3 | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.918  | 0.2  | 89    | 0.00     |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
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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 | 47.948 | 4.1  | 92    | 0.00     |

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