

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020524\  
 Data File : VN080916.D  
 Acq On : 05 Feb 2024 23:02  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 06 04:51:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 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   | 66    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.140  | 1.7   | 64    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.984  | 8.0   | 67    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.839  | 2.3#  | 71    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.310  | -2.6  | 74    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.444  | -10.9 | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.218  | -4.4  | 72    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.101  | -2.2  | 70    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.167  | -4.3  | 71    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.772  | 0.5   | 65    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 278.868 | -11.5 | 80    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.928  | 6.1#  | 67    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 237.522 | 5.0   | 65    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.092  | 1.8   | 67    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 268.991 | -7.6  | 74    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 271.884 | -8.8  | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.765  | 14.5  | 59    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.675  | -19.3 | 81    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.719  | -3.4  | 73    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.103  | -0.2  | 71    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.122  | 1.8   | 69    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.970  | -7.9  | 74    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 279.257 | -11.7 | 72    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.909  | -5.8  | 72    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 262.415 | -5.0  | 74    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.643  | 10.7  | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.744  | -1.5  | 73    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.892  | 2.2   | 66    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 274.340 | -9.7  | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.616  | -5.2# | 75    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.680  | 8.6   | 66    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.658  | -3.3  | 72    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.954  | 0.1   | 69    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 68    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.262  | 1.5   | 68    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.156  | -0.3  | 71    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.353  | -4.7  | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.219  | -2.4  | 69    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.464  | 5.1   | 64    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.354  | -0.7  | 70    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.427  | -6.9  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.909  | -9.8  | 75    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.976  | -6.0  | 76    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.733  | 0.5   | 72    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.208  | -8.4# | 74    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.840  | -1.7  | 72    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.953  | -1.9  | 70    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.918  | 2.2   | 74    | 0.00     |

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1116.416 | -11.6 | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.485   | 3.0   | 66    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 285.402  | -14.2 | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.121   | -4.2# | 72    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.431   | -0.9  | 68    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.124   | -2.2  | 70    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.350   | -6.7  | 75    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.294   | -16.6 | 72    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.213   | -2.4  | 71    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 275.748  | -10.3 | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 267.609  | -7.0  | 74    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.284   | -4.6  | 70    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.021   | -4.0  | 69    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.523   | -1.0  | 70    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 70    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.050   | -0.1  | 71    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.904   | 0.2   | 71    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.863   | -7.7  | 72    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.692   | -5.4# | 73    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.845  | -2.8  | 69    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.759   | -3.5  | 71    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.148   | -4.3  | 69    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.545   | -13.1 | 74    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.078   | -0.2  | 73    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.948   | -3.9  | 77    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.721   | 0.6   | 78    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.644   | 2.7   | 67    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.904   | 8.2   | 70    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.992   | -2.0  | 73    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.976   | 4.0   | 72    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.182   | -2.4  | 73    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.175   | 9.7   | 64    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.278   | 1.4   | 75    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.826   | 0.3   | 72    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.175   | -2.3  | 74    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.290   | -2.6  | 72    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.816   | -1.6  | 71    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.455   | 1.1   | 75    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.437   | 3.1   | 73    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.168   | 1.7   | 69    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.243   | 1.5   | 72    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.686   | -5.4  | 76    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.813   | 0.4   | 74    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.255   | 1.5   | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.596   | 10.8  | 72    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.152   | -0.3  | 74    | 0.00     |

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ALS Vial : 27 Sample Multiplier: 1

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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 | 47.212 | 5.6  | 70    | 0.00     |

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