

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060324\  
 Data File : VN082425.D  
 Acq On : 03 Jun 2024 10:21  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 04 00:24:05 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   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.846  | 12.3  | 74    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.347  | 15.3  | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.127  | 7.7#  | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.314  | 15.4  | 79    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.006  | 2.0   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.106  | 1.8   | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.473  | -4.9  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.260  | 1.5   | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.937  | -1.9  | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 253.012 | -1.2  | 88    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.912  | 4.2#  | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 198.972 | 20.4  | 66    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.554  | 6.9   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 272.915 | -9.2  | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 275.833 | -10.3 | 91    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.258  | 23.5  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.361  | -16.7 | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.212  | -8.4  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.935  | 0.1   | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.377  | 3.2   | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.642  | -5.3  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 258.294 | -3.3  | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.381  | -2.8  | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 277.477 | -11.0 | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.089  | -10.2 | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.230  | -2.5  | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.072  | 3.9   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 274.762 | -9.9  | 92    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.434  | -6.9# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.645  | 16.7  | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.634  | -7.3  | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.114  | 5.8   | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.887  | -3.8  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.467  | -0.9  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.042  | -8.1  | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.336  | -10.7 | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.334  | 3.3   | 79    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.255  | -4.5  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.591  | -9.2  | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.676  | -7.4  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 58.684  | -17.4 | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.781  | -5.6  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.471  | -6.9# | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.216  | -8.4  | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.976  | -14.0 | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.830  | -11.7 | 92    | 0.00     |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1154.439 | -15.4  | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.593   | 0.8    | 84    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 288.107  | -15.2  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.424   | -8.8#  | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.508   | -17.0  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.415   | -14.8  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.638   | -15.3  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.571   | -17.1  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.144   | -8.3   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 277.423  | -11.0  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 299.490  | -19.8  | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 63.234   | -26.5# | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.142   | -12.3  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.462   | -4.9   | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.539   | -3.1   | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.331   | -6.7   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.987   | -16.0  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.615   | -7.2#  | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.897  | -9.9   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.868   | -9.7   | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.397   | -14.8  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.643   | -17.3  | 104   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.794   | -3.6   | 92    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.960   | -1.9   | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.565   | -7.1   | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.746   | -9.5   | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.449   | -4.9   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.760   | -5.5   | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.606   | -1.2   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.736   | -7.5   | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.719   | -11.4  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.931   | -3.9   | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.853   | -5.7   | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.046   | -6.1   | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.969   | -5.9   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.739   | -9.5   | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.308   | -6.6   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.113   | -4.2   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.434   | -6.9   | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.600   | -13.2  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.650   | -9.3   | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.035   | -12.1  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.412   | -4.8   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.194   | -2.4   | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.023   | -14.0  | 96    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

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MSVOA\_N  
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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 | 53.318 | -6.6 | 96    | 0.00     |

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