

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
 Data File : VN082521.D  
 Acq On : 12 Jun 2024 11:12  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 12 15:58:28 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    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.820  | -1.6   | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.155  | 1.7    | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.342  | -4.7#  | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.486  | 7.0    | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.745  | -3.5   | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.574  | -5.1   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.621  | -3.2   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.241  | -4.5   | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.823  | -11.6  | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 234.358 | 6.3    | 85    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.695  | -3.4#  | 93    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.317 | 4.7    | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.333  | 5.3    | 90    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 261.114 | -4.4   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.204 | 6.7    | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.736  | 2.5    | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.590  | -9.2   | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.591  | -5.2   | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.732  | -3.5   | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.837  | -5.7   | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.592  | -5.2   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.555 | -4.6   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.530  | -5.1   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 250.275 | -0.1   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.483  | -3.0   | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.273  | -6.5   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.729  | 8.5    | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 264.728 | -5.9   | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.785  | -9.6#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.998  | 8.0    | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.662  | -9.3   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.331  | 5.3    | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.493  | -9.0   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.311  | -8.6   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.048  | -10.1  | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 58.752  | -17.5  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.602  | -5.2   | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.054  | -12.1  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.233  | -2.5   | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.783  | -7.6   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.916  | -7.8   | 93    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.071  | -12.1  | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.131  | -12.3# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.271  | -12.5  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 58.050  | -16.1  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.672  | -7.3   | 91    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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 | 1159.468 | -15.9  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.503   | 1.0    | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 280.512  | -12.2  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.677   | -17.4# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.393   | -16.8  | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.603   | -15.2  | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 58.033   | -16.1  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.909   | -15.8  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.946   | -11.9  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.571  | -7.8   | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 281.781  | -12.7  | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 63.917   | -27.8# | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.147   | -16.3  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.204   | -6.4   | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 58.094   | -16.2  | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.093   | -10.2  | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 59.702   | -19.4  | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.245   | -12.5# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 116.370  | -16.4  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.672   | -13.3  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.483   | -19.0  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.495   | -17.0  | 107   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.395   | -2.8   | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.894   | 6.2    | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.647   | 0.7    | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.713   | 10.6   | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.757   | -3.5   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.718   | -5.4   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.602   | 0.8    | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.931   | -7.9   | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.218   | -0.4   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.099   | -4.2   | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.757   | -1.5   | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.360   | -6.7   | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.023   | -4.0   | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.503   | -9.0   | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.321   | -6.6   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.581   | -3.2   | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.795   | -3.6   | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.444   | -10.9  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.794   | -7.6   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.653   | -5.3   | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.484   | -3.0   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.063   | -2.1   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.715   | -5.4   | 95    | 0.00     |

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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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 | 51.442 | -2.9 | 99    | 0.00     |

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