

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031224\  
 Data File : VN081367.D  
 Acq On : 12 Mar 2024 10:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 13 04:48:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 06 03:12:57 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.086  | 3.8   | 86    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.227  | 15.5  | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.799  | 14.4# | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.822  | 16.4  | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.353  | 15.3  | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.828  | 10.3  | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.100  | -0.2  | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.161  | 11.7  | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.787  | -11.6 | 105   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 228.471 | 8.6   | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.986  | 12.0# | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.551 | 4.6   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.979  | 8.0   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 230.751 | 7.7   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 209.583 | 16.2  | 91    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.047  | 17.9  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.484  | -7.0  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.528  | -1.1  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.089  | -2.2  | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 43.725  | 12.5  | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.862  | -3.7  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.486 | -1.0  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.803  | 2.4   | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 222.870 | 10.9  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.435  | 5.1   | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.261  | 5.5   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.796  | -5.6  | 109   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 225.971 | 9.6   | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.546  | 0.9#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.347  | 15.3  | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.960  | 4.1   | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.045  | -4.1  | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.940  | -7.9  | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.632  | 4.7   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.421  | 5.2   | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.627  | 2.7   | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.592  | 8.8   | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.683  | 4.6   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.333  | 9.3   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.027  | -2.1  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.888  | 4.2   | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.634  | 4.7   | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.839  | -1.7# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.977  | -2.0  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.386  | -4.8  | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.886  | -1.8  | 100   | 0.00     |

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 Sample : VSTDCCC050  
 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 : Wed Mar 06 03:12:57 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 | 858.917 | 14.1 | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.718  | -3.4 | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 247.270 | 1.1  | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.397  | 3.2# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.956  | -9.9 | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.037  | -6.1 | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.809  | -1.6 | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.262  | -8.5 | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.506  | -3.0 | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.835 | -9.1 | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.355 | 2.7  | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.783  | -7.6 | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.336  | -0.7 | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.415  | -8.8 | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.851  | 4.3  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.351  | 3.3  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.194  | 1.6  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.554  | 2.9# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.660  | 3.3  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.097  | 1.8  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.455  | -4.9 | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.194  | 1.6  | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.303  | 5.4  | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.566  | -1.1 | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.659  | 10.7 | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.350  | 7.3  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.181  | 7.6  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.646  | 2.7  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.009  | 4.0  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.301  | 1.4  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.296  | 1.4  | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.191  | 3.6  | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.835  | 4.3  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.632  | 0.7  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.434  | 5.1  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.160  | -0.3 | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.252  | 7.5  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.769  | 8.5  | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.121  | 1.8  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.676  | 0.6  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.141  | 7.7  | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.270  | 9.5  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.974  | 2.1  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.017  | 12.0 | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.775  | 0.5  | 98    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Wed Mar 06 03:12:57 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.245 | 3.5  | 100   | 0.00     |

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