

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103024\  
 Data File : VN084577.D  
 Acq On : 30 Oct 2024 15:06  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN103024

Quant Time: Oct 31 18:28:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:24:48 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  | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.985  | 8.0  | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.299  | 9.4  | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.430  | 7.1# | 98    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.494  | 13.0 | 99    | -0.05    |
| 6 T   | Chloroethane                | 50.000  | 46.348  | 7.3  | 97    | -0.05    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.644  | 8.7  | 100   | -0.02    |
| 8 T   | Diethyl Ether               | 50.000  | 46.640  | 6.7  | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.702  | 8.6  | 97    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 46.542  | 6.9  | 100   | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.840 | 12.1 | 100   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.338  | 9.3# | 99    | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 218.362 | 12.7 | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.975  | 4.0  | 100   | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 236.747 | 5.3  | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 244.445 | 2.2  | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.682  | 14.6 | 96    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 44.944  | 10.1 | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.603  | 2.8  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.716  | 8.6  | 99    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.019  | 10.0 | 96    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 48.739  | 2.5  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.614 | 1.0  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.408  | 7.2  | 99    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 237.635 | 4.9  | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.103  | 9.8  | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.214  | 7.6  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.971  | -9.9 | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 245.822 | 1.7  | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.316  | 5.4# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.053  | 9.9  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.774  | 6.5  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.560  | 4.9  | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.522  | 5.0  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.370  | 7.3  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.154  | 3.7  | 101   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.145  | 7.7  | 98    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.969  | 0.1  | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.273  | 7.5  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.964  | -3.9 | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.118  | 5.8  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.492  | 9.0  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.732  | 10.5 | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.196  | 5.6# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.911  | 8.2  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.560  | 6.9  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.057  | -2.1 | 102   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN103024

Quant Time: Oct 31 18:28:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:24:48 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 | 1063.992 | -6.4  | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.359   | 3.3   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 252.729  | -1.1  | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.616   | 2.8#  | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.911   | 8.2   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.832   | 6.3   | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.618   | 4.8   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.764   | -5.5  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.765   | 4.5   | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 280.013  | -12.0 | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.570  | -2.2  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.079   | 1.8   | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.393   | 7.2   | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.715   | 4.6   | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.436   | 9.1   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.872   | 10.3  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.323   | 7.4   | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.319   | 3.4#  | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.979   | 1.0   | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.538   | -1.1  | 101   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.600   | 0.8   | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.166   | 7.7   | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.063   | 1.9   | 99    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.076   | 1.8   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.058   | 11.9  | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.988   | 14.0  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.500   | 11.0  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.156   | 1.7   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.930   | 4.1   | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.714   | -1.4  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.300   | 9.4   | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.837   | 10.3  | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.701   | -5.4  | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.053   | -0.1  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.829   | 0.3   | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.568   | -3.1  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 41.852   | 16.3  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.904   | 8.2   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.941   | 8.1   | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.597   | 12.8  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.765   | 12.5  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.651   | 8.7   | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 40.290   | 19.4  | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 39.544   | 20.9  | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.408   | 9.2   | 98    | 0.00     |

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Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN103024

Quant Time: Oct 31 18:28:48 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:24:48 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 | 40.595 | 18.8 | 94    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6