

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100224\  
 Data File : VN084257.D  
 Acq On : 02 Oct 2024 11:15  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 03 01:55:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2024  
 Supervised By :Semsettin Yesilyurt 10/03/2024

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 175011   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 299427   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 271803   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 137936   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65    | 131907   | 50.834   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.660% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 102929   | 52.142   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.280% |
| 50) Toluene-d8              | 10.565 | 98    | 391674   | 53.930   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 107.860% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 140949   | 53.272   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 106.540% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 97277   | 46.991  | ug/l   | 94  |
| 3) Chloromethane             | 2.359 | 50  | 111841  | 47.316  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.512 | 62  | 109898  | 47.999  | ug/l   | 95  |
| 5) Bromomethane              | 2.953 | 94  | 68282   | 45.213  | ug/l   | 100 |
| 6) Chloroethane              | 3.118 | 64  | 69839   | 42.591  | ug/l   | 90  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 171070  | 47.982  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.959 | 74  | 59976   | 45.357  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 97517   | 47.735  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.589 | 142 | 126674  | 48.149  | ug/l   | 96  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 92139   | 215.343 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 94084   | 47.746  | ug/l   | 95  |
| 13) Acrolein                 | 4.177 | 56  | 113398  | 230.857 | ug/l   | 99  |
| 14) Allyl chloride           | 5.018 | 41  | 147830  | 43.197  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.718 | 53  | 264927  | 245.190 | ug/l   | 98  |
| 16) Acetone                  | 4.430 | 43  | 232932  | 208.964 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.718 | 76  | 276431  | 44.309  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.024 | 43  | 120633  | 49.652  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 319188  | 47.993  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.271 | 84  | 109727  | 48.424  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 100518  | 48.690  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.671 | 45  | 354286  | 50.050  | ug/l   | 99  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1322252 | 251.846 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 194434  | 49.117  | ug/l   | 97  |
| 25) 2-Butanone               | 7.482 | 43  | 350985  | 231.179 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 158191  | 44.321  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 120250  | 48.203  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.812 | 49  | 82405   | 46.656  | ug/l   | 98  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 233897  | 249.642 | ug/l   | 100 |
| 30) Chloroform               | 7.965 | 83  | 203203  | 49.418  | ug/l   | 98  |
| 31) Cyclohexane              | 8.259 | 56  | 168293  | 43.786  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 181620  | 49.180  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 143006  | 49.875  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 146003  | 49.633  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 158213  | 50.301  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.600 | 83  | 155230  | 48.643  | ug/l   | 98  |
| 40) Benzene                  | 8.606 | 78  | 450456  | 50.423  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100224\  
 Data File : VN084257.D  
 Acq On : 02 Oct 2024 11:15  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 03 01:55:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 10/03/2024  
 Supervised By : Semsettin Yesilyurt 10/03/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 80937    | 50.681  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 151010   | 49.861  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 238457   | 41.386  | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 102502   | 49.126  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.623  | 63   | 109674   | 51.896  | ug/l   | 98       |
| 46) Dibromomethane            | 9.706  | 93   | 74429    | 52.188  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 161057   | 50.831  | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.676  | 41   | 116950   | 50.990  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 42115    | 997.382 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 732837   | 261.699 | ug/l   | 100      |
| 52) Toluene                   | 10.629 | 92   | 276604   | 50.774  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 163025   | 50.475  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 174911   | 50.348  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 102262   | 52.363  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.870 | 69   | 169005   | 52.592  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 177568   | 50.884  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 381588   | 255.976 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 538776   | 257.420 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 120188   | 52.086  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 101779   | 50.155  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 94266    | 49.793  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 292599   | 48.552  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 103102   | 49.669  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 528007   | 49.542  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 400187   | 101.509 | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 191479   | 51.336  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 332043   | 52.557  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 78417    | 51.312  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.694 | 105  | 490616   | 46.611  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 214874   | 45.081  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 146220   | 46.199  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 140050m  | 49.734  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 116512   | 45.890  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 591639   | 48.514  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 359553   | 46.204  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 426058   | 49.622  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 51851    | 44.144  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 368263   | 47.010  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 353380   | 46.307  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 431054   | 49.836  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 491489   | 48.264  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 412591   | 48.997  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 219979   | 46.185  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 217816   | 45.284  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 355649   | 46.578  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 77524    | 45.355  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 211001   | 45.178  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 27862    | 42.659  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 103720   | 45.088  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 44475    | 38.768  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 330396   | 43.323  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 101329   | 44.004  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100224\  
Data File : VN084257.D  
Acq On : 02 Oct 2024 11:15  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/03/2024  
Supervised By :Semsettin Yesilyurt 10/03/2024

Quant Time: Oct 03 01:55:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

