

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022823\  
 Data File : VN076826.D  
 Acq On : 28 Feb 2023 14:21  
 Operator : JC\MD  
 Sample : VN0228WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

Quant Time: Mar 01 01:26:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 249540   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 456730   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 424186   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 206758   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 196161   | 56.928   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 113.860% |      |
| 35) Dibromofluoromethane    | 8.172  | 113   | 149024   | 49.823   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 99.640%  |      |
| 50) Toluene-d8              | 10.572 | 98    | 600765   | 53.783   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 107.560% |      |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 203272   | 54.944   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 109.880% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.143 | 85  | 50867  | 19.197  | ug/l   | 93  |
| 3) Chloromethane             | 2.378 | 50  | 62100  | 17.964  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.525 | 62  | 64835  | 19.056  | ug/l   | 99  |
| 5) Bromomethane              | 2.960 | 94  | 45207  | 21.929  | ug/l   | 89  |
| 6) Chloroethane              | 3.137 | 64  | 47944  | 22.298  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.507 | 101 | 89869  | 19.413  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.978 | 74  | 37671  | 21.118  | ug/l   | 91  |
| 9) 1,1,2-Trichlorotrifluo... | 4.378 | 101 | 57237  | 21.043  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.613 | 142 | 61404  | 18.280  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 5.531 | 59  | 50453  | 110.927 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.360 | 96  | 50698  | 19.683  | ug/l # | 92  |
| 13) Acrolein                 | 4.190 | 56  | 80788  | 118.311 | ug/l   | 96  |
| 14) Allyl chloride           | 5.037 | 41  | 89316  | 20.013  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.731 | 53  | 177751 | 110.119 | ug/l   | 98  |
| 16) Acetone                  | 4.443 | 43  | 168769 | 109.648 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.725 | 76  | 116321 | 17.105  | ug/l   | 96  |
| 18) Methyl Acetate           | 5.037 | 43  | 118247 | 23.536  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.801 | 73  | 200520 | 23.091  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.290 | 84  | 68409  | 21.206  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.801 | 96  | 53985  | 18.619  | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.684 | 45  | 241065 | 23.029  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.613 | 43  | 747526 | 120.698 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.590 | 63  | 122080 | 21.280  | ug/l   | 96  |
| 25) 2-Butanone               | 7.489 | 43  | 258299 | 113.767 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.501 | 77  | 91451  | 22.100  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.495 | 96  | 70926  | 20.624  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.819 | 49  | 56572  | 20.719  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.842 | 42  | 171075 | 115.328 | ug/l   | 99  |
| 30) Chloroform               | 7.978 | 83  | 123743 | 21.589  | ug/l   | 85  |
| 31) Cyclohexane              | 8.260 | 56  | 111077 | 20.550  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 8.178 | 97  | 100946 | 20.946  | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 8.378 | 75  | 85636  | 19.816  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.572 | 43  | 102721 | 22.592  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 8.366 | 117 | 82993  | 19.037  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.601 | 83  | 99483  | 20.252  | ug/l   | 91  |
| 40) Benzene                  | 8.613 | 78  | 271426 | 20.452  | ug/l   | 98  |

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 Sample : VN0228WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

Quant Time: Mar 01 01:26:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.784  | 41   | 55023    | 20.889  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 99898    | 21.583  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 171272   | 23.149  | ug/l   | 97       |
| 44) Trichloroethene           | 9.354  | 130  | 63200    | 20.152  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 74515    | 21.210  | ug/l   | 95       |
| 46) Dibromomethane            | 9.713  | 93   | 46916    | 20.889  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.895  | 83   | 97552    | 21.664  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.683  | 41   | 77236    | 21.999  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.701  | 88   | 25310    | 416.748 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 555643   | 118.035 | ug/l   | 97       |
| 52) Toluene                   | 10.630 | 92   | 173572   | 21.663  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 96510    | 22.205  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 104859   | 20.916  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 70070    | 21.507  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 106001   | 23.114  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 122185   | 21.828  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.166 | 63   | 207087   | 98.599  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.195 | 43   | 397894   | 117.226 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.360 | 129  | 68557    | 19.965  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 67366    | 20.657  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.107 | 164  | 50070    | 18.730  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.895 | 112  | 180531   | 20.082  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 65057    | 19.924  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.966 | 91   | 323696   | 21.135  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.072 | 106  | 251458   | 42.595  | ug/l   | 93       |
| 69) o-Xylene                  | 12.401 | 106  | 126098   | 21.902  | ug/l   | 99       |
| 70) Styrene                   | 12.413 | 104  | 207795   | 22.319  | ug/l   | 100      |
| 71) Bromoform                 | 12.583 | 173  | 46274    | 19.320  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.701 | 105  | 325087   | 21.451  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.495 | 43   | 137384   | 20.112  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 110187   | 20.087  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 96951m   | 23.194  | ug/l   |          |
| 77) Bromobenzene              | 12.983 | 156  | 75922    | 20.080  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.036 | 91   | 380126   | 21.361  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 230827   | 21.185  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 270971   | 21.636  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.742 | 75   | 30036    | 20.928  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.130 | 91   | 230827   | 21.185  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 255206   | 22.525  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 275208   | 22.048  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 347670   | 21.979  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 275127   | 21.781  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.730 | 146  | 141302   | 19.770  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 142774   | 20.060  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.060 | 91   | 229679   | 20.906  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.342 | 117  | 51915    | 19.629  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 146486   | 19.992  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 19168    | 18.036  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.401 | 180  | 68396    | 18.713  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.507 | 225  | 33007    | 18.425  | ug/l   | 98       |
| 95) Naphthalene               | 15.642 | 128  | 210400   | 18.970  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 65872    | 18.602  | ug/l   | 98       |

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Sample : VN0228WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_N  
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Response via : Initial Calibration

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

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

