

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040224\  
 Data File : VN081652.D  
 Acq On : 02 Apr 2024 14:01  
 Operator : JC\MD  
 Sample : VN0402WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

Quant Time: Apr 03 01:32:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 309815   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 533845   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 502419   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 234543   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 203141   | 51.416   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.840% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 183093   | 54.345   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 108.680% |      |
| 50) Toluene-d8              | 10.571 | 98    | 634028   | 52.060   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 104.120% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 226823   | 52.855   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 105.720% |      |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 63719  | 15.274 | ug/l   | 96  |
| 3) Chloromethane             | 2.359 | 50  | 65559  | 15.784 | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.518 | 62  | 66620  | 14.292 | ug/l   | 99  |
| 5) Bromomethane              | 2.971 | 94  | 47849  | 14.515 | ug/l   | 89  |
| 6) Chloroethane              | 3.124 | 64  | 49319  | 15.410 | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 120592 | 17.359 | ug/l   | 99  |
| 8) Diethyl Ether             | 3.959 | 74  | 40681  | 17.694 | ug/l   | 78  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 73039  | 18.503 | ug/l # | 88  |
| 10) Methyl Iodide            | 4.589 | 142 | 71547  | 18.201 | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.506 | 59  | 57347  | 83.289 | ug/l # | 82  |
| 12) 1,1-Dichloroethene       | 4.347 | 96  | 63824  | 17.456 | ug/l   | 82  |
| 13) Acrolein                 | 4.183 | 56  | 42901  | 69.438 | ug/l   | 96  |
| 14) Allyl chloride           | 5.024 | 41  | 79910  | 17.441 | ug/l # | 88  |
| 15) Acrylonitrile            | 5.718 | 53  | 170338 | 92.475 | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 116173 | 90.984 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.712 | 76  | 149072 | 14.208 | ug/l # | 93  |
| 18) Methyl Acetate           | 5.018 | 43  | 86029  | 21.854 | ug/l # | 87  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 225112 | 19.673 | ug/l   | 95  |
| 20) Methylene Chloride       | 5.277 | 84  | 79942  | 19.113 | ug/l   | 84  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 71682  | 17.583 | ug/l   | 84  |
| 22) Diisopropyl ether        | 6.677 | 45  | 209358 | 19.666 | ug/l # | 92  |
| 23) Vinyl Acetate            | 6.600 | 43  | 749213 | 88.418 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 134060 | 18.802 | ug/l   | 93  |
| 25) 2-Butanone               | 7.477 | 43  | 195571 | 89.299 | ug/l   | 91  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 122672 | 19.836 | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.482 | 96  | 89303  | 19.361 | ug/l   | 81  |
| 28) Bromochloromethane       | 7.812 | 49  | 52663  | 18.134 | ug/l # | 46  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 131544 | 89.160 | ug/l # | 78  |
| 30) Chloroform               | 7.971 | 83  | 152525 | 19.982 | ug/l   | 96  |
| 31) Cyclohexane              | 8.259 | 56  | 99676  | 15.503 | ug/l # | 83  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 133286 | 19.247 | ug/l # | 93  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 97538  | 17.203 | ug/l   | 95  |
| 37) Ethyl Acetate            | 7.553 | 43  | 85449  | 17.600 | ug/l   | 100 |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 113601 | 18.290 | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.606 | 83  | 107735 | 17.015 | ug/l # | 84  |
| 40) Benzene                  | 8.606 | 78  | 314002 | 18.943 | ug/l   | 96  |

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 Operator : JC\MD  
 Sample : VN0402WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

Quant Time: Apr 03 01:32:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 46839    | 18.243  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 114091   | 19.558  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 142706   | 17.732  | ug/l # | 88       |
| 44) Trichloroethene           | 9.353  | 130  | 89475    | 19.192  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 81478    | 20.282  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 60021    | 19.674  | ug/l # | 89       |
| 47) Bromodichloromethane      | 9.888  | 83   | 126747   | 21.249  | ug/l # | 91       |
| 48) Methyl methacrylate       | 9.682  | 41   | 68559    | 18.470  | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 31357    | 351.520 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 443718   | 90.357  | ug/l   | 91       |
| 52) Toluene                   | 10.629 | 92   | 205374   | 19.493  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 124515   | 19.332  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 134850   | 19.527  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 87787    | 20.705  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 108640   | 18.743  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 143946   | 20.710  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 284636   | 106.689 | ug/l # | 82       |
| 59) 2-Hexanone                | 11.194 | 43   | 322706   | 88.883  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.359 | 129  | 95321    | 20.442  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 85291    | 19.731  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 89907    | 18.721  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.894 | 112  | 224070   | 18.866  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 88754    | 20.162  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.965 | 91   | 370128   | 17.940  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.070 | 106  | 296808   | 38.375  | ug/l   | 93       |
| 69) o-Xylene                  | 12.400 | 106  | 141419   | 18.625  | ug/l   | 94       |
| 70) Styrene                   | 12.412 | 104  | 231943   | 18.940  | ug/l   | 96       |
| 71) Bromoform                 | 12.576 | 173  | 62453    | 18.880  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 364094   | 18.211  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 120979   | 16.721  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 104889   | 17.844  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 98483m   | 17.554  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 91680    | 18.563  | ug/l   | 72       |
| 78) n-propylbenzene           | 13.035 | 91   | 442076   | 18.724  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 260831   | 18.458  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 319807   | 19.367  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 36645    | 17.651  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 263259   | 18.896  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 265391   | 18.637  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 314284   | 18.937  | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 376001   | 18.471  | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 310853   | 18.681  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 170478   | 18.788  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 170709   | 18.169  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.059 | 91   | 266053   | 18.031  | ug/l   | 95       |
| 90) Hexachloroethane          | 14.335 | 117  | 59901    | 19.008  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 168951   | 19.345  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 21297    | 17.024  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 89254    | 17.675  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 36844    | 16.629  | ug/l   | 100      |
| 95) Naphthalene               | 15.641 | 128  | 273402   | 16.708  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 91453    | 18.004  | ug/l   | 98       |

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Acq On : 02 Apr 2024 14:01  
Operator : JC\MD  
Sample : VN0402WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

Quant Time: Apr 03 01:32:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

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

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

