

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062524\  
 Data File : VN082707.D  
 Acq On : 25 Jun 2024 10:54  
 Operator : JC\MD  
 Sample : VN0625WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/26/2024  
 Supervised By : Mahesh Dadoda 06/26/2024

Quant Time: Jun 26 01:18:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:52:44 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 170024              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 284347              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 259464              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 125309              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 145469              | 53.352  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 106.700% |         |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 102106              | 52.933  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.860% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 384580              | 52.720  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 105.440% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 129330              | 51.424  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 102.840% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 43231               | 18.206  | ug/l   | 99       |
| 3) Chloromethane             | 2.360          | 50   | 51342               | 18.036  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.513          | 62   | 50872               | 18.779  | ug/l   | 93       |
| 5) Bromomethane              | 2.954          | 94   | 33611               | 19.274  | ug/l   | 90       |
| 6) Chloroethane              | 3.118          | 64   | 35405               | 18.328  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 66338               | 18.770  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.960          | 74   | 23443               | 19.477  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 39574               | 19.991  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 34223               | 18.149  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 41637               | 93.306  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 34621               | 18.288  | ug/l   | 95       |
| 13) Acrolein                 | 4.183          | 56   | 25584               | 56.281  | ug/l   | 98       |
| 14) Allyl chloride           | 5.024          | 41   | 65379               | 17.659  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.724          | 53   | 116800              | 99.158  | ug/l   | 100      |
| 16) Acetone                  | 4.430          | 43   | 106339              | 85.757  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.707          | 76   | 98025               | 16.305  | ug/l   | 97       |
| 18) Methyl Acetate           | 5.024          | 43   | 63121               | 20.813  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.801          | 73   | 131601              | 20.309  | ug/l   | 97       |
| 20) Methylene Chloride       | 5.277          | 84   | 43807               | 20.094  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 38011               | 18.893  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.671          | 45   | 155630              | 20.044  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.606          | 43   | 607662              | 98.691  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 83351               | 19.817  | ug/l   | 99       |
| 25) 2-Butanone               | 7.483          | 43   | 168266              | 95.469  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 71175               | 19.506  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 46048               | 18.995  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.812          | 49   | 39262               | 20.454  | ug/l # | 21       |
| 29) Tetrahydrofuran          | 7.842          | 42   | 108530              | 100.586 | ug/l   | 100      |
| 30) Chloroform               | 7.965          | 83   | 84363               | 20.562  | ug/l   | 99       |
| 31) Cyclohexane              | 8.259          | 56   | 67002               | 17.027  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 73510               | 19.758  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 54526               | 18.909  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.565          | 43   | 65364               | 17.795  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 61979               | 19.072  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.600          | 83   | 54206               | 17.862  | ug/l   | 95       |
| 40) Benzene                  | 8.612          | 78   | 175383              | 19.684  | ug/l   | 98       |

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 Sample : VN0625WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/26/2024  
 Supervised By : Mahesh Dadoda 06/26/2024

Quant Time: Jun 26 01:18:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:52:44 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 36680    | 19.536  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 69369    | 20.468  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.689  | 43   | 122458   | 17.839  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 40432    | 19.542  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 46704    | 20.364  | ug/l   | 100      |
| 46) Dibromomethane            | 9.712  | 93   | 31684    | 20.380  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.889  | 83   | 68561    | 20.685  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 53432    | 18.881  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 17763    | 401.294 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 357920   | 101.655 | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 109307   | 20.243  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 69409    | 20.485  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 71811    | 20.495  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 42103    | 21.543  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 63879    | 19.734  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 74744    | 20.687  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 148388   | 86.657  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 263480   | 98.458  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 50549    | 21.188  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 42028    | 20.396  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 39639    | 18.529  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.894 | 112  | 116469   | 19.575  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 42117    | 19.851  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 195823   | 19.315  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.077 | 106  | 149777   | 39.711  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 71069    | 20.056  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 122241   | 20.325  | ug/l   | 99       |
| 71) Bromoform                 | 12.577 | 173  | 34628    | 20.644  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 179549   | 18.869  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 93491    | 18.410  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 62448    | 20.120  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 55435m   | 18.087  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 47213    | 19.276  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 217522   | 19.326  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 134798   | 19.097  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 152597   | 19.761  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 24978    | 19.498  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 134819   | 19.120  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 125496   | 19.079  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 155590   | 20.086  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 178513   | 19.109  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 148422   | 19.730  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 85920    | 19.348  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 86157    | 18.561  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 125741   | 18.844  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 32334    | 19.755  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 82185    | 18.954  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 12961    | 19.731  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 42184    | 18.449  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 20093    | 17.823  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 127478   | 18.122  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 42509    | 18.243  | ug/l   | 100      |

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Sample : VN0625WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/26/2024  
Supervised By :Mahesh Dadoda 06/26/2024

Quant Time: Jun 26 01:18:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:52:44 2024  
Response via : Initial Calibration

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

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

