

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122022\  
 Data File : VN075890.D  
 Acq On : 20 Dec 2022 11:36  
 Operator : JC\MD  
 Sample : VN1220WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBS01

Quant Time: Dec 21 01:26:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 12/21/2022  
 Supervised By :Mahesh Dadoda 12/21/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 361137              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 576687              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 494195              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 231017              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 199584              | 50.800  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 101.600% |         |       |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 187013              | 52.365  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.720% |         |       |          |
| 50) Toluene-d8               | 10.571         | 98   | 692883              | 51.890  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 103.780% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 227262              | 51.386  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 102.780% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 44632               | 17.406  | ug/l  | 98       |
| 3) Chloromethane             | 2.377          | 50   | 51783               | 16.240  | ug/l  | 95       |
| 4) Vinyl Chloride            | 2.530          | 62   | 63486               | 16.692  | ug/l  | 94       |
| 5) Bromomethane              | 2.965          | 94   | 53195               | 16.457  | ug/l  | 98       |
| 6) Chloroethane              | 3.136          | 64   | 47164               | 16.745  | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 101515              | 17.590  | ug/l  | 98       |
| 8) Diethyl Ether             | 3.971          | 74   | 39532               | 18.754  | ug/l  | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.389          | 101  | 59273               | 17.986  | ug/l  | 98       |
| 10) Methyl Iodide            | 4.600          | 142  | 93455               | 17.474  | ug/l  | 99       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 53763               | 96.709  | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 4.353          | 96   | 59079               | 18.458  | ug/l  | 94       |
| 13) Acrolein                 | 4.195          | 56   | 68368               | 100.313 | ug/l  | 98       |
| 14) Allyl chloride           | 5.036          | 41   | 67474               | 18.033  | ug/l  | 91       |
| 15) Acrylonitrile            | 5.730          | 53   | 142632              | 94.017  | ug/l  | 98       |
| 16) Acetone                  | 4.442          | 43   | 133712              | 98.728  | ug/l  | 99       |
| 17) Carbon Disulfide         | 4.724          | 76   | 128160              | 16.538  | ug/l  | 99       |
| 18) Methyl Acetate           | 5.042          | 43   | 74287               | 18.556  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 5.806          | 73   | 203515              | 19.308  | ug/l  | 93       |
| 20) Methylene Chloride       | 5.289          | 84   | 67550               | 18.238  | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 5.800          | 96   | 62478               | 17.824  | ug/l  | 92       |
| 22) Diisopropyl ether        | 6.683          | 45   | 179211              | 19.717  | ug/l  | 97       |
| 23) Vinyl Acetate            | 6.612          | 43   | 567983m             | 92.841  | ug/l  |          |
| 24) 1,1-Dichloroethane       | 6.577          | 63   | 111491              | 18.392  | ug/l  | 97       |
| 25) 2-Butanone               | 7.488          | 43   | 187939              | 99.107  | ug/l  | 95       |
| 26) 2,2-Dichloropropane      | 7.506          | 77   | 96667               | 18.831  | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 76946               | 18.354  | ug/l  | 97       |
| 28) Bromochloromethane       | 7.824          | 49   | 47442               | 17.856  | ug/l  | 97       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 115350              | 97.065  | ug/l  | 100      |
| 30) Chloroform               | 7.971          | 83   | 122113              | 17.892  | ug/l  | 91       |
| 31) Cyclohexane              | 8.259          | 56   | 101977              | 18.124  | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 112093              | 18.525  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 88339               | 18.621  | ug/l  | 97       |
| 37) Ethyl Acetate            | 7.571          | 43   | 70830               | 18.587  | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 98878               | 18.622  | ug/l  | 94       |
| 39) Methylcyclohexane        | 9.606          | 83   | 112270              | 19.616  | ug/l  | 95       |
| 40) Benzene                  | 8.612          | 78   | 273151              | 18.661  | ug/l  | 98       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VN1220WBS01

Manual Integrations  
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Quant Time: Dec 21 01:26:59 2022  
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 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 39529    | 19.956  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 89596    | 18.412  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 125487   | 19.963  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 71870    | 17.429  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 64027    | 17.975  | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 48070    | 18.195  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.894  | 83   | 95893    | 18.509  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.682  | 41   | 57166    | 20.191  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 27024    | 388.258 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 378322   | 99.518  | ug/l   | 100      |
| 52) Toluene                   | 10.629 | 92   | 179931   | 18.875  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 93898    | 18.515  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 107810   | 19.362  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 71266    | 19.046  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 98365    | 19.792  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 114731   | 18.693  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 149120   | 94.238  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.194 | 43   | 279330   | 100.755 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 77330    | 18.584  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 71087    | 18.774  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 66381    | 19.089  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 192213   | 18.950  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 74187    | 19.746  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 342701   | 20.018  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 271520   | 40.072  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 136665   | 20.381  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 214519   | 20.121  | ug/l   | 100      |
| 71) Bromoform                 | 12.582 | 173  | 54107    | 19.792  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 346867   | 20.778  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 104855   | 21.410  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 102376   | 19.837  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 76229m   | 16.370  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 85109    | 20.144  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.041 | 91   | 385379   | 20.930  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 232005   | 20.185  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 293466   | 21.003  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 26575    | 20.542  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 232005   | 20.185  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 265035   | 21.514  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 291671   | 21.042  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.617 | 105  | 361376   | 21.253  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 303808   | 21.473  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 152923   | 19.595  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 150910   | 18.929  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 237078   | 20.684  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 51707    | 20.431  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 153051   | 19.910  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 17623    | 19.244  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 76099    | 19.996  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 41903    | 20.181  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 228749   | 19.579  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 74528    | 20.952  | ug/l   | 99       |

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Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/21/2022  
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Quant Time: Dec 21 01:26:59 2022  
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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

