

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112421\  
 Data File : VN069636.D  
 Acq On : 24 Nov 2021 12:12  
 Operator : JC/MD  
 Sample : VN1124WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1124WBS01

Quant Time: Nov 26 06:56:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 1046461             | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 1702342             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.744         | 117  | 1570140             | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.675         | 152  | 650933              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 815638              | 53.755 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 107.520% |        |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 568046              | 55.637 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 111.280% |        |        |          |
| 50) Toluene-d8               | 10.440         | 98   | 2164014             | 53.891 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 107.780% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.731         | 95   | 789009              | 53.486 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 106.980% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 180832              | 16.175 | ug/l   | 99       |
| 3) Chloromethane             | 2.303          | 50   | 202745              | 15.637 | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.448          | 62   | 208237              | 16.040 | ug/l   | 99       |
| 5) Bromomethane              | 2.858          | 94   | 123674              | 14.668 | ug/l   | 99       |
| 6) Chloroethane              | 3.022          | 64   | 132938              | 15.171 | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.379          | 101  | 307669              | 15.334 | ug/l   | 95       |
| 8) Diethyl Ether             | 3.824          | 74   | 119384              | 18.391 | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 181239              | 19.176 | ug/l   | 95       |
| 10) Methyl Iodide            | 4.419          | 142  | 206435              | 17.808 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.374          | 59   | 205173              | 75.041 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.181          | 96   | 148637              | 17.525 | ug/l   | 87       |
| 13) Acrolein                 | 4.044          | 56   | 30949               | 75.315 | ug/l   | 94       |
| 14) Allyl chloride           | 4.843          | 41   | 329002              | 17.545 | ug/l   | 95       |
| 15) Acrylonitrile            | 5.554          | 53   | 616450              | 88.043 | ug/l   | 99       |
| 16) Acetone                  | 4.288          | 43   | 723052              | 88.322 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.529          | 76   | 276997              | 13.816 | ug/l   | 98       |
| 18) Methyl Acetate           | 4.854          | 43   | 457518              | 17.192 | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.613          | 73   | 663304              | 18.479 | ug/l   | 98       |
| 20) Methylene Chloride       | 5.095          | 84   | 203685              | 17.546 | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 5.594          | 96   | 163108              | 17.218 | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.495          | 45   | 773691              | 19.154 | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.434          | 43   | 2836135             | 90.780 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 386684              | 18.795 | ug/l   | 97       |
| 25) 2-Butanone               | 7.335          | 43   | 944365              | 85.191 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 288519              | 17.923 | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 213547              | 18.184 | ug/l   | 87       |
| 28) Bromochloromethane       | 7.657          | 49   | 255547              | 24.254 | ug/l # | 81       |
| 29) Tetrahydrofuran          | 7.686          | 42   | 575988              | 84.670 | ug/l   | 89       |
| 30) Chloroform               | 7.817          | 83   | 405547              | 19.227 | ug/l   | 97       |
| 31) Cyclohexane              | 8.094          | 56   | 343792              | 16.585 | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 326441              | 18.541 | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.220          | 75   | 270495              | 18.884 | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.410          | 43   | 361160              | 18.652 | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 263955              | 19.087 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.459          | 83   | 306831              | 17.219 | ug/l   | 90       |
| 40) Benzene                  | 8.458          | 78   | 837726              | 18.947 | ug/l   | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Quant Time: Nov 26 06:56:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By : John Carlone 11/26/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 170133   | 17.005  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 345729   | 19.970  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 565050   | 18.168  | ug/l # | 94       |
| 44) Trichloroethene           | 9.215  | 130  | 201434   | 19.036  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.488  | 63   | 235196   | 19.910  | ug/l   | 99       |
| 46) Dibromomethane            | 9.577  | 93   | 152120   | 19.226  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.762  | 83   | 294792   | 19.966  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.558  | 41   | 260070   | 17.773  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 88472    | 332.236 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 1842062  | 91.758  | ug/l   | 94       |
| 52) Toluene                   | 10.505 | 92   | 519740   | 18.869  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.717 | 75   | 282582   | 17.383  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.188 | 75   | 320819   | 17.922  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.896 | 97   | 219158   | 19.738  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.760 | 69   | 332022   | 17.269  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 11.044 | 76   | 380220   | 19.488  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 332814   | 78.994  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.084 | 43   | 1276819  | 80.876  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.237 | 129  | 198584   | 17.925  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.344 | 107  | 210103   | 17.661  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.977 | 164  | 188013   | 19.831  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.768 | 112  | 562292   | 19.240  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.840 | 131  | 204246   | 20.148  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.843 | 91   | 1026675  | 19.047  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.953 | 106  | 750216   | 37.843  | ug/l   | 93       |
| 69) o-Xylene                  | 12.280 | 106  | 377092   | 19.080  | ug/l   | 94       |
| 70) Styrene                   | 12.294 | 104  | 602120   | 17.973  | ug/l   | 96       |
| 71) Bromoform                 | 12.457 | 173  | 133556   | 17.561  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.578 | 105  | 991882   | 19.138  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.388 | 43   | 363363   | 16.543  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 335009   | 19.165  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 292639m  | 19.481  | ug/l   |          |
| 77) Bromobenzene              | 12.860 | 156  | 232694   | 19.631  | ug/l   | 82       |
| 78) n-propylbenzene           | 12.921 | 91   | 1121707  | 19.234  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 698165   | 19.335  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105  | 817172   | 19.504  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 67616    | 17.635  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 666195   | 19.354  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.324 | 119  | 728888   | 19.852  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.366 | 105  | 783315   | 19.366  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.501 | 105  | 988476   | 19.272  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 771311   | 18.944  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 393609   | 19.154  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.694 | 146  | 373801   | 18.542  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.943 | 91   | 599534   | 17.657  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.209 | 117  | 120914   | 17.620  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 381086   | 19.488  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 48442    | 16.167  | ug/l   | 79       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 144398   | 16.329  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.370 | 225  | 108713   | 21.396  | ug/l   | 100      |
| 95) Naphthalene               | 15.507 | 128  | 299799   | 13.903  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 136261   | 16.195  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/26/2021  
Supervised By :Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 06:56:21 2021  
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Quant Title : SW846 8260  
QLast Update : Tue Nov 09 18:18:22 2021  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

