

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011322\  
 Data File : VN070605.D  
 Acq On : 13 Jan 2022 12:15  
 Operator : JC/MD  
 Sample : VN0113WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/14/2022  
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 04:52:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 776919              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.965          | 114  | 1255807             | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.744         | 117  | 1156143             | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.672         | 152  | 490175              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 584893              | 52.360  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 104.720% |         |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 435028              | 57.254  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 114.500% |         |        |          |
| 50) Toluene-d8               | 10.441         | 98   | 1738839             | 56.020  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 112.040% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.728         | 95   | 631250              | 56.307  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 112.620% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 151803              | 17.229  | ug/l   | 99       |
| 3) Chloromethane             | 2.303          | 50   | 220253              | 18.377  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.448          | 62   | 196298              | 17.989  | ug/l   | 98       |
| 5) Bromomethane              | 2.856          | 94   | 128286              | 22.777  | ug/l   | 98       |
| 6) Chloroethane              | 3.020          | 64   | 134346              | 20.444  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.379          | 101  | 257000              | 19.567  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.824          | 74   | 120028              | 20.731  | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 168981              | 21.035  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.420          | 142  | 205535              | 18.906  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.377          | 59   | 189516              | 101.892 | ug/l # | 81       |
| 12) 1,1-Dichloroethene       | 4.181          | 96   | 155227              | 19.618  | ug/l   | 92       |
| 13) Acrolein                 | 4.044          | 56   | 114711              | 76.010  | ug/l   | 99       |
| 14) Allyl chloride           | 4.841          | 41   | 369930              | 20.621  | ug/l # | 83       |
| 15) Acrylonitrile            | 5.554          | 53   | 649550              | 111.913 | ug/l   | 99       |
| 16) Acetone                  | 4.285          | 43   | 715032              | 98.605  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.529          | 76   | 380591              | 17.621  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.854          | 43   | 458658              | 21.866  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 618329              | 21.042  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.098          | 84   | 199900              | 19.924  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.602          | 96   | 168053              | 20.059  | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.495          | 45   | 781851              | 22.376  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.434          | 43   | 2922823             | 107.812 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 381798              | 21.073  | ug/l   | 98       |
| 25) 2-Butanone               | 7.335          | 43   | 972381              | 106.498 | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 282977              | 19.798  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 206446              | 20.652  | ug/l   | 86       |
| 28) Bromochloromethane       | 7.654          | 49   | 195652              | 22.081  | ug/l # | 75       |
| 29) Tetrahydrofuran          | 7.683          | 42   | 607853              | 111.582 | ug/l   | 87       |
| 30) Chloroform               | 7.818          | 83   | 360921              | 20.649  | ug/l   | 98       |
| 31) Cyclohexane              | 8.094          | 56   | 361054              | 20.482  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.013          | 97   | 293188              | 19.894  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.220          | 75   | 263669              | 20.977  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.413          | 43   | 347457              | 21.326  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 236059              | 19.667  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.459          | 83   | 312970              | 20.567  | ug/l   | 88       |
| 40) Benzene                  | 8.459          | 78   | 828325              | 21.495  | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.635  | 41   | 180798   | 22.186  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 294800   | 20.353  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 571247   | 22.238  | ug/l # | 94       |
| 44) Trichloroethene           | 9.215  | 130  | 188132   | 20.547  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.488  | 63   | 236033   | 22.749  | ug/l   | 100      |
| 46) Dibromomethane            | 9.577  | 93   | 135922   | 21.068  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.762  | 83   | 273079   | 21.317  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.558  | 41   | 252005   | 20.567  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 78165    | 435.806 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.331 | 43   | 1824519  | 113.036 | ug/l   | 98       |
| 52) Toluene                   | 10.505 | 92   | 512597   | 21.976  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.717 | 75   | 295308   | 21.294  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.188 | 75   | 327618   | 21.838  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.896 | 97   | 202560   | 21.948  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.760 | 69   | 337475   | 22.131  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 11.044 | 76   | 357756   | 21.917  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 353813   | 102.622 | ug/l # | 89       |
| 59) 2-Hexanone                | 11.084 | 43   | 1320534  | 112.187 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.237 | 129  | 193282   | 21.465  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.344 | 107  | 199837   | 21.326  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.977 | 164  | 168010   | 20.068  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.768 | 112  | 525259   | 21.412  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.841 | 131  | 184518   | 21.070  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.843 | 91   | 973863   | 21.667  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.950 | 106  | 715618   | 43.740  | ug/l   | 93       |
| 69) o-Xylene                  | 12.278 | 106  | 350936   | 21.565  | ug/l   | 91       |
| 70) Styrene                   | 12.294 | 104  | 577656   | 22.428  | ug/l   | 96       |
| 71) Bromoform                 | 12.457 | 173  | 138080   | 21.245  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.578 | 105  | 933102   | 20.499  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.388 | 43   | 371538   | 19.412  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.825 | 83   | 328173   | 20.935  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.878 | 75   | 257241m  | 19.491  | ug/l   |          |
| 77) Bromobenzene              | 12.860 | 156  | 210097   | 20.104  | ug/l   | 75       |
| 78) n-propylbenzene           | 12.919 | 91   | 1054210  | 20.902  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 660947   | 20.424  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105  | 774170   | 21.223  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.624 | 75   | 81430    | 20.297  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 626916   | 20.682  | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 652702   | 20.321  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.367 | 105  | 739915   | 21.065  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.501 | 105  | 913256   | 20.942  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 722018   | 21.077  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 361282   | 20.651  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.694 | 146  | 351674   | 20.378  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.943 | 91   | 567576   | 19.864  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.209 | 117  | 120549   | 20.257  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 354637   | 20.678  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 48477    | 18.384  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 154866   | 19.164  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.367 | 225  | 111050   | 23.645  | ug/l   | 99       |
| 95) Naphthalene               | 15.504 | 128  | 358108   | 17.255  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180  | 146992   | 19.528  | ug/l   | 96       |

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QLast Update : Mon Dec 27 18:47:12 2021  
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

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