

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082522\  
 Data File : VN074110.D  
 Acq On : 25 Aug 2022 13:28  
 Operator : JC\MD  
 Sample : VN0825WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0825WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/26/2022  
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 26 01:58:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.016  | 168   | 453783   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904  | 114   | 706194   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686 | 117   | 645404   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.610 | 152   | 313172   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369  | 65    | 245673   | 55.584   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 111.160% |
| 35) Dibromofluoromethane     | 7.951  | 113   | 223765   | 53.579   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 107.160% |
| 50) Toluene-d8               | 10.380 | 98    | 796645   | 49.253   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 98.500%  |
| 62) 4-Bromofluorobenzene     | 12.668 | 95    | 273625   | 50.973   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 101.940% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.051  | 85    | 85278    | 23.701   | ug/l   | 98       |
| 3) Chloromethane             | 2.269  | 50    | 82770    | 20.686   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.404  | 62    | 110069   | 21.428   | ug/l   | 100      |
| 5) Bromomethane              | 2.804  | 94    | 76628    | 23.889   | ug/l   | 98       |
| 6) Chloroethane              | 2.969  | 64    | 70507    | 19.430   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.316  | 101   | 153578   | 23.177   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.769  | 74    | 53931    | 21.926   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.140  | 101   | 82609    | 21.461   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.345  | 142   | 70565    | 15.270   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.292  | 59    | 116587   | 117.926  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.116  | 96    | 77282    | 21.579   | ug/l   | 96       |
| 13) Acrolein                 | 3.981  | 56    | 60128    | 86.889   | ug/l   | 99       |
| 14) Allyl chloride           | 4.763  | 41    | 126980   | 23.940   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.475  | 53    | 315926   | 130.889  | ug/l   | 100      |
| 16) Acetone                  | 4.222  | 43    | 258029   | 123.742  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.457  | 76    | 196703   | 23.099   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.781  | 43    | 140845   | 25.794   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.534  | 73    | 279446   | 21.665   | ug/l   | 97       |
| 20) Methylene Chloride       | 5.016  | 84    | 99260    | 22.558   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.510  | 96    | 85873    | 21.764   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.416  | 45    | 273146   | 24.288   | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.351  | 43    | 1163036  | 120.680  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.310  | 63    | 166509   | 23.786   | ug/l   | 100      |
| 25) 2-Butanone               | 7.263  | 43    | 425440   | 128.674  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.245  | 77    | 122161   | 18.575   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.251  | 96    | 106498   | 21.876   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.586  | 49    | 70020    | 27.120   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.616  | 42    | 277337   | 130.761  | ug/l   | 99       |
| 30) Chloroform               | 7.745  | 83    | 174733   | 22.323   | ug/l   | 100      |
| 31) Cyclohexane              | 8.022  | 56    | 140259   | 22.764   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.945  | 97    | 147045   | 21.183   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.151  | 75    | 121248   | 20.902   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.339  | 43    | 163548   | 23.272   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.139  | 117   | 127367   | 19.209   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.398  | 83    | 141040   | 19.404   | ug/l   | 99       |
| 40) Benzene                  | 8.392  | 78    | 393532   | 21.495   | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0825WBSD01

Manual Integrations  
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Reviewed By :Krupa Patel 08/26/2022  
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 26 01:58:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.563  | 41   | 73241    | 23.062  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.463  | 62   | 135483   | 21.522  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.498  | 43   | 211705   | 21.146  | ug/l   | 98       |
| 44) Trichloroethene           | 9.151  | 130  | 99166    | 18.753  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.427  | 63   | 100480   | 22.897  | ug/l   | 98       |
| 46) Dibromomethane            | 9.516  | 93   | 69692    | 20.889  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.698  | 83   | 132597   | 20.794  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.498  | 41   | 94629    | 22.090  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.504  | 88   | 59350    | 465.892 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43   | 805238   | 118.964 | ug/l   | 100      |
| 52) Toluene                   | 10.445 | 92   | 247608   | 19.723  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.657 | 75   | 127148   | 19.001  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.127 | 75   | 147240   | 20.111  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.839 | 97   | 104625   | 21.424  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.704 | 69   | 150910   | 21.666  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.986 | 76   | 172072   | 21.671  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.980  | 63   | 340026   | 104.599 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.027 | 43   | 618645   | 118.758 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.174 | 129  | 106987   | 19.810  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.286 | 107  | 107363   | 20.555  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.916 | 164  | 87193    | 17.117  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.710 | 112  | 265549   | 19.360  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 100700   | 19.388  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.786 | 91   | 449697   | 19.714  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.892 | 106  | 352216   | 38.002  | ug/l   | 99       |
| 69) o-Xylene                  | 12.221 | 106  | 176295   | 18.968  | ug/l   | 98       |
| 70) Styrene                   | 12.233 | 104  | 289308   | 19.882  | ug/l   | 98       |
| 71) Bromoform                 | 12.398 | 173  | 86212    | 18.591  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.521 | 105  | 443514   | 19.449  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.327 | 43   | 169934   | 19.712  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.768 | 83   | 170811   | 22.321  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.821 | 75   | 140122m  | 21.527  | ug/l   |          |
| 77) Bromobenzene              | 12.798 | 156  | 117771   | 19.080  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.857 | 91   | 493676   | 20.309  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.945 | 91   | 307517   | 20.300  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 375905   | 20.266  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.563 | 75   | 46042    | 20.118  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.045 | 91   | 298590   | 20.753  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.263 | 119  | 331221   | 19.405  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.304 | 105  | 373450   | 20.162  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.439 | 105  | 450091   | 20.343  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.557 | 119  | 371191   | 19.693  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.551 | 146  | 201440   | 18.818  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.633 | 146  | 202831   | 18.697  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.880 | 91   | 273553   | 18.323  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.151 | 117  | 68954    | 20.013  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.927 | 146  | 214217   | 19.379  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.539 | 75   | 37213    | 20.596  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.192 | 180  | 116950   | 17.383  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.298 | 225  | 62552    | 17.638  | ug/l   | 99       |
| 95) Naphthalene               | 15.433 | 128  | 394983   | 18.008  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 126146   | 18.140  | ug/l   | 99       |

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ALS Vial : 6 Sample Multiplier: 1

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APPROVED

Reviewed By :Krupa Patel 08/26/2022  
Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 26 01:58:59 2022  
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Quant Title : SW846 8260  
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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

