

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051123\  
 Data File : VX035611.D  
 Acq On : 11 May 2023 16:40  
 Operator : JC/MD  
 Sample : VX0511WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0511WBS01

Quant Time: May 12 03:50:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023  
 Supervised By : Mahesh Dadoda 05/12/2023

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 197759   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 353941   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 311902   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 145385   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 190761   | 55.293   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 110.580% |          |
| 35) Dibromofluoromethane     | 5.385  | 113   | 130196   | 54.545   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 109.080% |          |
| 50) Toluene-d8               | 8.647  | 98    | 480231   | 54.460   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 108.920% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 192926   | 54.337   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 108.680% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 55178    | 21.409   | ug/l       | 98       |
| 3) Chloromethane             | 1.294  | 50    | 60711    | 19.411   | ug/l       | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 54827    | 20.656   | ug/l       | 100      |
| 5) Bromomethane              | 1.611  | 94    | 30111    | 20.946   | ug/l       | 96       |
| 6) Chloroethane              | 1.691  | 64    | 33092    | 20.551   | ug/l       | 94       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 82950    | 21.254   | ug/l       | 99       |
| 8) Diethyl Ether             | 2.130  | 74    | 31990    | 21.288   | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 48347    | 20.864   | ug/l       | 97       |
| 10) Methyl Iodide            | 2.453  | 142   | 44182    | 21.319   | ug/l       | 90       |
| 11) Tert butyl alcohol       | 2.989  | 59    | 74372m   | 122.188  | ug/l       |          |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 45849    | 20.819   | ug/l       | 87       |
| 13) Acrolein                 | 2.239  | 56    | 66977    | 92.713   | ug/l       | 99       |
| 14) Allyl chloride           | 2.666  | 41    | 97159    | 20.593   | ug/l       | 94       |
| 15) Acrylonitrile            | 3.069  | 53    | 151036   | 112.688  | ug/l       | 99       |
| 16) Acetone                  | 2.392  | 43    | 156844   | 105.776  | ug/l       | 97       |
| 17) Carbon Disulfide         | 2.514  | 76    | 106339   | 20.007   | ug/l       | 100      |
| 18) Methyl Acetate           | 2.703  | 43    | 122653   | 22.429   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 183400   | 20.927   | ug/l       | 98       |
| 20) Methylene Chloride       | 2.788  | 84    | 58382    | 21.725   | ug/l       | 95       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 51716    | 21.431   | ug/l       | 94       |
| 22) Diisopropyl ether        | 3.757  | 45    | 193105   | 20.904   | ug/l       | 99       |
| 23) Vinyl Acetate            | 3.721  | 43    | 713820   | 109.209  | ug/l       | 97       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 103550   | 20.959   | ug/l       | 99       |
| 25) 2-Butanone               | 4.562  | 43    | 228330   | 111.237  | ug/l       | 100      |
| 26) 2,2-Dichloropropane      | 4.477  | 77    | 85267    | 20.381   | ug/l       | 95       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 60243    | 20.766   | ug/l       | 94       |
| 28) Bromochloromethane       | 4.897  | 49    | 35747    | 16.086   | ug/l       | 97       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 147315   | 114.184  | ug/l       | 97       |
| 30) Chloroform               | 5.093  | 83    | 104973   | 20.735   | ug/l       | 98       |
| 31) Cyclohexane              | 5.471  | 56    | 92619    | 21.249   | ug/l       | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 93344    | 21.191   | ug/l       | 100      |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 77361    | 20.532   | ug/l       | 98       |
| 37) Ethyl Acetate            | 4.715  | 43    | 87118    | 22.168   | ug/l       | 100      |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 73025    | 20.460   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.379  | 83    | 91449    | 20.619   | ug/l       | 94       |
| 40) Benzene                  | 6.037  | 78    | 222440   | 21.104   | ug/l       | 97       |

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 Sample : VX0511WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0511WBS01

Quant Time: May 12 03:50:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/12/2023  
 Supervised By : Mahesh Dadoda 05/12/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 49352    | 21.151  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 94102    | 20.754  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 147185   | 21.478  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 54593    | 20.427  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 58346    | 20.901  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 40170    | 21.022  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 75817    | 20.528  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 73029    | 21.594  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 31489    | 437.848 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 444830   | 112.674 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 136110   | 20.457  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 83101    | 20.710  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 90824    | 21.126  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 55867    | 21.378  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 89077    | 21.049  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 98190    | 20.727  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 203118   | 94.348  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 335623   | 112.883 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 50544    | 20.291  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 57922    | 21.037  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 42890    | 20.425  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 142616   | 20.947  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 49709    | 20.648  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 268162   | 20.942  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 200329   | 42.325  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 98631    | 21.000  | ug/l   | 95       |
| 70) Styrene                   | 10.653 | 104  | 158495   | 20.938  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 31827    | 20.093  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 260650   | 21.276  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 123463   | 21.615  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 85203    | 21.440  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 74835m   | 21.044  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 57641    | 20.730  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 307174   | 21.330  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 189877   | 21.059  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 222612   | 21.380  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 22438    | 20.335  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 215534   | 20.757  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 215162   | 21.258  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 220148   | 21.057  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 268241   | 21.108  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 220838   | 21.138  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 107614   | 20.373  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 109338   | 20.498  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 196868   | 20.715  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 31552    | 19.926  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 109227   | 21.116  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 18936    | 21.398  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 63030    | 20.237  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 24156    | 19.540  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 234662   | 22.001  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 63761    | 20.815  | ug/l   | 98       |

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Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

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

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

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