

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051223\  
 Data File : VX035642.D  
 Acq On : 12 May 2023 16:51  
 Operator : JC/MD  
 Sample : 02213-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:58:48 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

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                        |        |       |          |          |       |           |
| Internal Standards           |        |       |          |          |       |           |
| 1) Pentafluorobenzene        | 5.550  | 168   | 141858   | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 292007   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 258845   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 109871   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds  |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 170700   | 68.976   | ug/l  | 0.00      |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 137.960%# |
| 35) Dibromofluoromethane     | 5.385  | 113   | 107261   | 54.467   | ug/l  | 0.00      |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 108.940%  |
| 50) Toluene-d8               | 8.647  | 98    | 360068   | 49.494   | ug/l  | 0.00      |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 98.980%   |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 140461   | 47.951   | ug/l  | 0.00      |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 95.900%   |
| Target Compounds             |        |       |          |          |       |           |
|                              |        |       |          |          |       | Qvalue    |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 907      | 0.491    | ug/l  | 72        |
| 3) Chloromethane             | 1.294  | 50    | 2271     | 1.012    | ug/l  | 94        |
| 4) Vinyl Chloride            | 1.374  | 62    | 1486     | 0.780    | ug/l  | # 84      |
| 5) Bromomethane              | 1.611  | 94    | 1210     | 1.173    | ug/l  | 98        |
| 6) Chloroethane              | 1.685  | 64    | 997      | 0.863    | ug/l  | # 71      |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 1553     | 0.555    | ug/l  | 89        |
| 8) Diethyl Ether             | 2.136  | 74    | 1152     | 1.069    | ug/l  | 63        |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 866      | 0.521    | ug/l  | 96        |
| 10) Methyl Iodide            | 2.453  | 142   | 1178     | 0.792    | ug/l  | 97        |
| 11) Tert butyl alcohol       | 3.020  | 59    | 2283m    | 5.229    | ug/l  |           |
| 12) 1,1-Dichloroethene       | 2.325  | 96    | 1033     | 0.654    | ug/l  | 81        |
| 13) Acrolein                 | 2.239  | 56    | 2664     | 5.141    | ug/l  | 97        |
| 14) Allyl chloride           | 2.666  | 41    | 2865     | 0.847    | ug/l  | # 90      |
| 15) Acrylonitrile            | 3.081  | 53    | 5205     | 5.414    | ug/l  | 95        |
| 16) Acetone                  | 2.392  | 43    | 6429     | 6.044    | ug/l  | 94        |
| 17) Carbon Disulfide         | 2.508  | 76    | 2299     | 0.603    | ug/l  | 98        |
| 18) Methyl Acetate           | 2.709  | 43    | 4331     | 1.104    | ug/l  | # 90      |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 6198     | 0.986    | ug/l  | 99        |
| 20) Methylene Chloride       | 2.794  | 84    | 2507     | 1.301    | ug/l  | # 88      |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 1572     | 0.908    | ug/l  | # 85      |
| 22) Diisopropyl ether        | 3.763  | 45    | 6311     | 0.952    | ug/l  | # 97      |
| 23) Vinyl Acetate            | 3.727  | 43    | 21207    | 4.523    | ug/l  | 97        |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 2967     | 0.837    | ug/l  | 98        |
| 25) 2-Butanone               | 4.580  | 43    | 8180     | 5.555    | ug/l  | # 90      |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 1937     | 0.645    | ug/l  | 78        |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 1685     | 0.810    | ug/l  | 91        |
| 28) Bromochloromethane       | 4.897  | 49    | 1453     | 0.912    | ug/l  | # 95      |
| 29) Tetrahydrofuran          | 5.019  | 42    | 5407     | 5.842    | ug/l  | 97        |
| 30) Chloroform               | 5.099  | 83    | 3487     | 0.960    | ug/l  | # 84      |
| 31) Cyclohexane              | 5.470  | 56    | 1336     | 0.427    | ug/l  | # 85      |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 2342     | 0.741    | ug/l  | # 41      |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 1989     | 0.640    | ug/l  | 98        |
| 37) Ethyl Acetate            | 4.714  | 43    | 3566     | 1.100    | ug/l  | # 93      |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 1675     | 0.569    | ug/l  | # 72      |
| 39) Methylcyclohexane        | 7.379  | 83    | 1670     | 0.456    | ug/l  | # 83      |
| 40) Benzene                  | 6.037  | 78    | 6622     | 0.762    | ug/l  | 98        |

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 Sample : 02213-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:58:48 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 1747     | 0.908  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 3593     | 0.961  | ug/l   | 88       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 4819     | 0.852  | ug/l   | 95       |
| 44) Trichloroethene           | 7.123  | 130  | 1624     | 0.737  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 1743     | 0.757  | ug/l   | 91       |
| 46) Dibromomethane            | 7.586  | 93   | 1302     | 0.826  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 2172     | 0.713  | ug/l # | 83       |
| 48) Methyl methacrylate       | 7.702  | 41   | 2416     | 0.866  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 1394     | 24.550 | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 14950    | 4.590  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 3937     | 0.717  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 1926     | 0.582  | ug/l # | 85       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2239     | 0.631  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1644     | 0.763  | ug/l # | 75       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 2545     | 0.729  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 3130     | 0.801  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 7533     | 4.241  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 10889    | 4.439  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.525  | 129  | 1206     | 0.587  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1661     | 0.731  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.275  | 164  | 1031     | 0.592  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.079 | 112  | 4143     | 0.733  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 1127     | 0.564  | ug/l # | 59       |
| 67) Ethyl Benzene             | 10.195 | 91   | 6669     | 0.628  | ug/l   | 89       |
| 68) m/p-Xylenes               | 10.299 | 106  | 5191     | 1.322  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 2829     | 0.726  | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 4098     | 0.652  | ug/l   | 88       |
| 71) Bromoform                 | 10.799 | 173  | 811      | 0.617  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 5793     | 0.626  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 3405     | 0.789  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 2768     | 0.922  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 2544m    | 0.947  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 1651     | 0.786  | ug/l   | 90       |
| 78) n-propylbenzene           | 11.299 | 91   | 6859     | 0.630  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 4887     | 0.717  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 4801     | 0.610  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 431m     | 0.517  | ug/l   |          |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 5420     | 0.691  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 4627     | 0.605  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 5394     | 0.683  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 4771     | 0.497  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 4618     | 0.585  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 3002     | 0.752  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 3372m    | 0.837  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 3413     | 0.475  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 651      | 0.544  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 2833     | 0.725  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 539      | 0.806  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 1728     | 0.734  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 502      | 0.537  | ug/l   | 93       |
| 95) Naphthalene               | 13.774 | 128  | 6407     | 0.795  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 1611     | 0.696  | ug/l   | 95       |

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Sample : 02213-07  
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ALS Vial : 18 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:58:48 2023  
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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

