

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092922\  
 Data File : VX031784.D  
 Acq On : 29 Sep 2022 19:24  
 Operator : JC/MD  
 Sample : N4860-06MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-05MS

Quant Time: Sep 30 04:38:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 09/30/2022  
 Supervised By : Mahesh Dadoda 10/06/2022

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 79153      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 118020     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 136182     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 113392     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 72585      | 43.207   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 86.420%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 69408      | 49.357   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.720%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 247027     | 48.454   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 96.900%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 99021      | 52.993   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 105.980% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 56766      | 58.929   | ug/l   | 99       |
| 3) Chloromethane             | 1.288          | 50   | 42173      | 49.562   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.368          | 62   | 58731      | 44.302   | ug/l   | 100      |
| 5) Bromomethane              | 1.611          | 94   | 38442      | 29.999   | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 55413      | 34.773   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 130798     | 39.458   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 44139      | 47.251   | ug/l   | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 56902      | 54.081   | ug/l   | 91       |
| 10) Methyl Iodide            | 2.453          | 142  | 39013      | 37.828   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 51471m     | 237.019  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 50395      | 63.099   | ug/l   | 85       |
| 13) Acrolein                 | 2.239          | 56   | 18794      | 179.203  | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 65474      | 47.297   | ug/l # | 93       |
| 15) Acrylonitrile            | 3.069          | 53   | 130992     | 224.673  | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 102882     | 265.685  | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.508          | 76   | 94004      | 53.392   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 66383      | 43.973   | ug/l # | 84       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 197000     | 52.723   | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 59177      | 55.903   | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 57851      | 49.736   | ug/l   | 89       |
| 22) Diisopropyl ether        | 3.757          | 45   | 161698     | 45.386   | ug/l # | 86       |
| 23) Vinyl Acetate            | 3.721          | 43   | 607591     | 215.637  | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 100455     | 48.907   | ug/l   | 95       |
| 25) 2-Butanone               | 4.562          | 43   | 168371     | 209.970  | ug/l # | 85       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 75739      | 45.431   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 73124      | 51.331   | ug/l   | 82       |
| 28) Bromochloromethane       | 4.898          | 49   | 40326      | 41.969   | ug/l # | 61       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 107833     | 214.064  | ug/l # | 80       |
| 30) Chloroform               | 5.099          | 83   | 125814     | 49.791   | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 75755      | 47.426   | ug/l # | 81       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 113064     | 54.025   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 81021      | 50.169   | ug/l   | 95       |
| 37) Ethyl Acetate            | 4.715          | 43   | 68492      | 42.047   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 99835      | 54.853   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 96138      | 52.248   | ug/l   | 86       |
| 40) Benzene                  | 6.038          | 78   | 246324     | 49.662   | ug/l   | 100      |

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 Sample : N4860-06MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-05MS

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/30/2022  
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:38:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 36830    | 44.434   | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 91981    | 47.950   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 116473   | 45.430   | ug/l # | 91       |
| 44) Trichloroethene           | 7.129  | 130  | 77250    | 55.140   | ug/l   | 82       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 60087    | 49.915   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 49647    | 51.355   | ug/l # | 87       |
| 47) Bromodichloromethane      | 7.824  | 83   | 95458    | 54.719   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 55385    | 49.121   | ug/l # | 86       |
| 49) 1,4-Dioxane               | 7.696  | 88   | 27603    | 1006.574 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 369850   | 227.909  | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 177534   | 53.696   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 93593    | 46.586   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 97771    | 53.929   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 76401    | 53.671   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 100244   | 55.040   | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 115022   | 51.022   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.366  | 63   | 637      | 0.710    | ug/l # | 46       |
| 59) 2-Hexanone                | 9.433  | 43   | 274383   | 226.616  | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.519  | 129  | 85910    | 51.636   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 82947    | 57.403   | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 78019    | 53.599   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 206845   | 54.520   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 81179    | 59.467   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 343821   | 53.273   | ug/l   | 95       |
| 68) m/p-Xylenes               | 10.305 | 106  | 292390   | 112.754  | ug/l   | 92       |
| 69) o-Xylene                  | 10.640 | 106  | 146205   | 57.682   | ug/l   | 91       |
| 70) Styrene                   | 10.659 | 104  | 238626   | 57.837   | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 63334    | 53.813   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 381403   | 52.011   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 106582   | 44.807   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 112602   | 48.326   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 95697m   | 46.553   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 102863   | 55.178   | ug/l   | 83       |
| 78) n-propylbenzene           | 11.305 | 91   | 421792   | 51.689   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 252704   | 50.150   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 332510   | 53.491   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 26011    | 43.471   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 298287   | 51.239   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 342043   | 57.060   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 332226   | 53.995   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 412260   | 54.115   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 364595   | 55.498   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 198823   | 55.015   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 204836   | 54.148   | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 283962   | 52.913   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 57188    | 54.287   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 202309   | 55.899   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 23127    | 49.533   | ug/l   | 69       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 125850   | 59.463   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 47974    | 58.130   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 420336   | 59.457   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 126782   | 58.368   | ug/l   | 99       |

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Quant Title : SW846 8260  
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| 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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