

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042424\  
 Data File : VX041229.D  
 Acq On : 24 Apr 2024 12:51  
 Operator : JC/MD  
 Sample : VX0424WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0424WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/25/2024  
 Supervised By : Mahesh Dadoda 04/25/2024

Quant Time: Apr 25 05:52:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 218715     | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 296602     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 235078     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 154044     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 95083      | 45.669  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.340% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 82291      | 45.611  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 91.220% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 279988     | 45.997  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 92.000% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 107815     | 47.987  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.980% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 31482      | 18.199  | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 31802      | 16.980  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35517      | 18.963  | ug/l   | 99       |
| 5) Bromomethane              | 1.593          | 94   | 20087      | 19.048  | ug/l   | 99       |
| 6) Chloroethane              | 1.666          | 64   | 17767      | 24.970  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 52345      | 18.037  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 18765      | 17.570  | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 27376      | 16.033  | ug/l # | 84       |
| 10) Methyl Iodide            | 2.447          | 142  | 18569      | 9.018   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 39063m     | 104.729 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 25895      | 16.246  | ug/l   | 89       |
| 13) Acrolein                 | 2.233          | 56   | 34144      | 81.603  | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 42010      | 16.224  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 79951      | 83.885  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 71635      | 94.525  | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.508          | 76   | 55171      | 16.569  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 35639      | 15.897  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 90556      | 15.892  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 28390      | 15.339  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 26115      | 14.826  | ug/l   | 86       |
| 22) Diisopropyl ether        | 3.757          | 45   | 108347     | 19.353  | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.715          | 43   | 457475     | 95.517  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 49681      | 15.875  | ug/l   | 96       |
| 25) 2-Butanone               | 4.556          | 43   | 145253     | 112.230 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 52160      | 19.721  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 42269      | 19.360  | ug/l   | 90       |
| 28) Bromochloromethane       | 4.891          | 49   | 24404      | 20.549  | ug/l # | 75       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 95655      | 108.488 | ug/l   | 95       |
| 30) Chloroform               | 5.087          | 83   | 67711      | 20.158  | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 51160      | 18.258  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 60125      | 19.967  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 43256      | 18.738  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.715          | 43   | 57286      | 22.618  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 53192      | 20.630  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 55452      | 18.110  | ug/l   | 90       |
| 40) Benzene                  | 6.031          | 78   | 138505     | 19.427  | ug/l   | 99       |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Quant Time: Apr 25 05:52:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 30122    | 22.845  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 51409    | 20.796  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 84336    | 20.671  | ug/l   | 96       |
| 44) Trichloroethene           | 7.123  | 130  | 32105    | 15.489  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 33705    | 19.717  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 26192    | 20.548  | ug/l # | 76       |
| 47) Bromodichloromethane      | 7.818  | 83   | 50466    | 21.479  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 43315    | 22.445  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 18615    | 448.163 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 295467   | 115.697 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 91286    | 20.320  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 48922    | 21.227  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 53136    | 20.281  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 37344    | 21.304  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 58420    | 21.800  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 60235    | 20.758  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 122321   | 93.784  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 233574   | 119.271 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 43827    | 21.658  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 39488    | 20.996  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 38748    | 21.492  | ug/l   | 91       |
| 65) Chlorobenzene             | 10.073 | 112  | 90799    | 18.768  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 31857    | 19.224  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 145248   | 18.813  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 114815   | 36.838  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 57329    | 18.912  | ug/l   | 92       |
| 70) Styrene                   | 10.653 | 104  | 96878    | 19.644  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 29341    | 20.710  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.964 | 105  | 149360   | 15.583  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.842 | 43   | 62266    | 16.530  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 61193    | 20.245  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 50104m   | 20.188  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 51782    | 18.565  | ug/l   | 78       |
| 78) n-propylbenzene           | 11.305 | 91   | 200823   | 19.405  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 123559   | 18.866  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 154357   | 19.358  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 15229    | 17.311  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 142505   | 19.201  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 165055   | 19.330  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 154697   | 19.547  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 193846   | 19.659  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 174212   | 20.048  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 95356    | 19.032  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 96212    | 18.716  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 135304   | 20.508  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 28380    | 19.799  | ug/l # | 55       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 96868    | 19.303  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 13335    | 21.026  | ug/l # | 53       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 69532    | 19.984  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35843    | 20.163  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 205031   | 20.509  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 72169    | 19.692  | ug/l   | 96       |

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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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