

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051023\  
 Data File : VX035585.D  
 Acq On : 10 May 2023 14:50  
 Operator : JC/MD  
 Sample : VX0510WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0510WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/11/2023  
 Supervised By : Mahesh Dadoda 05/11/2023

Quant Time: May 11 04:19:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.549          | 168  | 291156     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 450030     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 403430     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 206857     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 151315     | 43.077   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 86.160%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 139651     | 50.559   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 101.120% |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 498029     | 47.797   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 95.600%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 197575     | 50.405   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 100.820% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 49471      | 16.058   | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 51008      | 18.200   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.373          | 62   | 46243      | 16.451   | ug/l   | 94       |
| 5) Bromomethane              | 1.611          | 94   | 26135      | 13.989   | ug/l   | 90       |
| 6) Chloroethane              | 1.690          | 64   | 27096      | 16.482   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.885          | 101  | 74856      | 17.029   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.129          | 74   | 29309      | 18.287   | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 54012      | 18.397   | ug/l   | 93       |
| 10) Methyl Iodide            | 2.452          | 142  | 47738      | 12.884   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 48197      | 75.357   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 50275      | 17.779   | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 59599      | 94.755   | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 87600      | 17.603   | ug/l   | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 147629     | 92.288   | ug/l   | 98       |
| 16) Acetone                  | 2.385          | 43   | 123149     | 80.722   | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.513          | 76   | 116994     | 17.258   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.702          | 43   | 108638     | 18.415   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 191812     | 19.771   | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 64431      | 18.419   | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 57527      | 18.731   | ug/l   | 89       |
| 22) Diisopropyl ether        | 3.751          | 45   | 188199     | 19.111   | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.714          | 43   | 638251     | 94.289   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 103222     | 18.609   | ug/l   | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 190901     | 85.731   | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.470          | 77   | 83022      | 19.104   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 69329      | 19.204   | ug/l   | 92       |
| 28) Bromochloromethane       | 4.891          | 49   | 50592      | 21.402   | ug/l # | 78       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 122143     | 85.567   | ug/l   | 91       |
| 30) Chloroform               | 5.086          | 83   | 108705     | 19.413   | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 91819      | 18.427   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 92949      | 18.940   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 78690      | 18.245   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.708          | 43   | 74648      | 18.950   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.671          | 117  | 79159      | 19.334   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.378          | 83   | 103819     | 19.775   | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 240283     | 19.421   | ug/l   | 99       |

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 Sample : VX0510WBSD01  
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0510WBSD01

Quant Time: May 11 04:19:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 44307    | 19.630  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 82966    | 18.807  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 129067   | 19.499  | ug/l # | 93       |
| 44) Trichloroethene           | 7.122  | 130  | 70017    | 20.543  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 60810    | 19.495  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 43330    | 20.229  | ug/l   | 91       |
| 47) Bromodichloromethane      | 7.817  | 83   | 80672    | 20.441  | ug/l # | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 62690    | 19.308  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 7.695  | 88   | 24983    | 315.671 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 385169   | 94.717  | ug/l   | 94       |
| 52) Toluene                   | 8.714  | 92   | 156290   | 19.929  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 88666    | 21.513  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 99115    | 21.276  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 64932    | 20.769  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 94760    | 20.347  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 106877   | 19.986  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 268557   | 115.324 | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 281730   | 92.221  | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.518  | 129  | 64055    | 21.384  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 67450    | 20.928  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.274  | 164  | 58046    | 18.791  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 174550   | 19.998  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 64014    | 21.073  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 302687   | 20.025  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 239855   | 41.412  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 117316   | 20.656  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 195048   | 21.180  | ug/l   | 94       |
| 71) Bromoform                 | 10.799 | 173  | 46267    | 21.897  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 305556   | 20.207  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 108902   | 19.164  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 94264    | 20.085  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 75196m   | 18.223  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 77667    | 20.663  | ug/l   | 87       |
| 78) n-propylbenzene           | 11.305 | 91   | 344757   | 19.852  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.365 | 91   | 207036   | 19.078  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 264306   | 20.730  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 25771    | 20.228  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 238023   | 19.529  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 267335   | 20.897  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 264154   | 20.620  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 319516   | 20.362  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 280449   | 21.014  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 145092   | 20.312  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 146779   | 19.598  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 224905   | 19.963  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 40889    | 20.014  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 145260   | 20.332  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 17862    | 18.980  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 96675    | 21.528  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 41134    | 20.871  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 295943   | 21.407  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 94201    | 20.838  | ug/l   | 98       |

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ALS Vial : 10 Sample Multiplier: 1

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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

