

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121323\  
 Data File : VX039191.D  
 Acq On : 13 Dec 2023 15:56  
 Operator : JC/MD  
 Sample : VX1213WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1213WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/14/2023  
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:33:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 129687              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 237532              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 220174              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 105418              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 119956              | 50.491 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 100.980% |        |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 85386               | 52.033 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.060% |        |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 321343              | 52.747 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 105.500% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 127677              | 50.794 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 101.580% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 35773               | 19.630 | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 37508               | 18.566 | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35713               | 19.007 | ug/l   | 98       |
| 5) Bromomethane              | 1.605          | 94   | 23473               | 21.715 | ug/l   | 98       |
| 6) Chloroethane              | 1.691          | 64   | 20322               | 17.948 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 51306               | 18.648 | ug/l   | 95       |
| 8) Diethyl Ether             | 2.130          | 74   | 17685               | 18.572 | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 31596               | 18.819 | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 34163               | 19.686 | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 53258               | 89.270 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 31629               | 18.965 | ug/l   | 100      |
| 13) Acrolein                 | 2.233          | 56   | 44468               | 93.431 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 61595               | 18.232 | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 110292              | 92.359 | ug/l   | 98       |
| 16) Acetone                  | 2.374          | 43   | 112061              | 63.624 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.514          | 76   | 88864               | 18.208 | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 97142               | 18.904 | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 111098              | 18.420 | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 35493               | 17.921 | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 33278               | 18.338 | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.757          | 45   | 112979              | 18.371 | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.721          | 43   | 432332              | 94.430 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 63981               | 18.405 | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 164180              | 80.083 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 55132               | 18.165 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 37263               | 18.604 | ug/l   | 96       |
| 28) Bromochloromethane       | 4.898          | 49   | 28966               | 17.077 | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 104568              | 92.361 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 64093               | 18.449 | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 57958               | 18.888 | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 55591               | 18.433 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 48868               | 18.871 | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.708          | 43   | 59857               | 18.710 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 44816               | 18.135 | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.379          | 83   | 57619               | 18.524 | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 137507              | 18.772 | ug/l   | 96       |

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 Sample : VX1213WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1213WBS01

Quant Time: Dec 14 01:33:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :John Carlone 12/14/2023  
 Supervised By :Mahesh Dadoda 12/14/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 32847    | 19.243  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 56373    | 19.012  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 94121    | 18.092  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 33584    | 18.169  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 37180    | 18.912  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 26506    | 19.180  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.818  | 83   | 49644    | 18.788  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 57949    | 19.053  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 15954    | 389.151 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 315832   | 95.282  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 84171    | 19.038  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 54373    | 18.691  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 57809    | 18.469  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 34449    | 18.664  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 43640    | 19.368  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 60929    | 19.094  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 135035   | 102.061 | ug/l   | 94       |
| 59) 2-Hexanone                | 9.427  | 43   | 252131   | 88.136  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 35251    | 18.884  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 36641    | 18.596  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 26536    | 18.444  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 86972    | 18.098  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 30713    | 18.093  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 168610   | 18.848  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 119872   | 37.374  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 57513    | 18.546  | ug/l   | 92       |
| 70) Styrene                   | 10.653 | 104  | 84736    | 18.691  | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 22900    | 18.149  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 157805   | 19.402  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 77343    | 18.795  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 58012    | 19.173  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 50426m   | 18.489  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 33605    | 18.684  | ug/l   | 88       |
| 78) n-propylbenzene           | 11.305 | 91   | 192449   | 19.204  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 112904   | 18.626  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 134631   | 19.431  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 16777    | 17.353  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 137617   | 19.330  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 125227   | 18.991  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 133634   | 18.807  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 159908   | 19.057  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 131651   | 18.695  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 66707    | 18.879  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 67274    | 18.286  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 133509   | 19.286  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 23385    | 18.384  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 62267    | 18.417  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 14375    | 18.038  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 41062    | 18.548  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 15114    | 18.116  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 147058   | 19.074  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 39175    | 18.330  | ug/l   | 97       |

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/14/2023  
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Quant Time: Dec 14 01:33:08 2023  
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Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

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

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

