

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
 Data File : VX038950.D  
 Acq On : 20 Nov 2023 12:01  
 Operator : JC/MD  
 Sample : VX1120WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1120WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/21/2023  
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 21 00:17:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 125343              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 222651              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 209848              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 105689              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 106327              | 52.645  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 105.280% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 83397               | 51.863  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.720% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 306336              | 49.791  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.580%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 121988              | 49.531  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.060%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 28846               | 19.723  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 31067               | 16.275  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 31783               | 17.285  | ug/l   | 100      |
| 5) Bromomethane              | 1.605          | 94   | 22441               | 29.518  | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 20406               | 19.446  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 45452               | 19.479  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 18840               | 18.538  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 28007               | 18.099  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 31809               | 16.889  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 59283               | 105.534 | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 26941               | 17.245  | ug/l   | 93       |
| 13) Acrolein                 | 2.233          | 56   | 32809               | 110.394 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 54653               | 17.473  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.056          | 53   | 110150              | 92.800  | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 120836              | 112.388 | ug/l # | 89       |
| 17) Carbon Disulfide         | 2.514          | 76   | 73615               | 15.212  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 97270               | 19.047  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 105538              | 19.207  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 36250               | 18.703  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 28934               | 16.785  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 106718              | 18.598  | ug/l   | 91       |
| 23) Vinyl Acetate            | 3.715          | 43   | 389685              | 94.296  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 56872               | 17.724  | ug/l   | 100      |
| 25) 2-Butanone               | 4.544          | 43   | 172620              | 99.006  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 50498               | 18.143  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 35112               | 17.475  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 30558               | 19.835  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 107494              | 97.100  | ug/l   | 99       |
| 30) Chloroform               | 5.092          | 83   | 58624               | 18.710  | ug/l   | 97       |
| 31) Cyclohexane              | 5.470          | 56   | 50319               | 17.450  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 50484               | 18.602  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 41918               | 18.188  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.708          | 43   | 59453               | 19.800  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 43192               | 20.277  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 53810               | 17.900  | ug/l   | 98       |
| 40) Benzene                  | 6.037          | 78   | 127475              | 18.701  | ug/l   | 99       |

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 Sample : VX1120WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1120WBSD01

Manual Integrations  
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Quant Time: Nov 21 00:17:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 31626    | 20.308  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 47936    | 21.225  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 93700    | 19.526  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 31352    | 18.896  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 34265    | 18.679  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 24421    | 19.963  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 47062    | 19.383  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.690  | 41   | 43624    | 18.737  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 18448    | 409.560 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 311147   | 101.462 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 79196    | 18.722  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 53785    | 18.641  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 56417    | 18.929  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 33978    | 19.251  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 58464    | 19.577  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 56068    | 19.208  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 136971   | 98.458  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 249777   | 101.618 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 35901    | 20.004  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 36081    | 19.481  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 25272    | 19.375  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 85163    | 18.840  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 30666    | 18.859  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.189 | 91   | 155473   | 18.720  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 117022   | 37.249  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 58050    | 18.674  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 96373    | 18.357  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 25683    | 18.947  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 151607   | 18.411  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 78652    | 18.068  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 59758    | 18.590  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 50045m   | 18.979  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 33831    | 18.284  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 187416   | 18.490  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 109551   | 18.212  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 130754   | 18.885  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 20227    | 17.014  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 128020   | 18.457  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 125513   | 18.406  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 129388   | 18.463  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 163580   | 18.339  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 131078   | 18.306  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 67682    | 18.680  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 68270    | 18.409  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 128490   | 17.786  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 25789    | 18.036  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 65202    | 18.973  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 14791    | 18.781  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 41738    | 18.124  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 14993    | 18.384  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 155740   | 18.158  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 41409    | 18.968  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

| 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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