

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022123\  
 Data File : VX034207.D  
 Acq On : 21 Feb 2023 13:42  
 Operator : JC/MD  
 Sample : VX0221WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBSD01

Quant Time: Feb 22 05:51:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/22/2023  
 Supervised By : Mahesh Dadoda 02/22/2023

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 328329     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 529520     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 476487     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 235587     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 200157     | 45.266   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 90.540%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 171137     | 49.638   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.280%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 644136     | 52.037   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 104.080% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 238075     | 50.282   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 100.560% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 57377      | 20.224   | ug/l   | 99       |
| 3) Chloromethane             | 1.300          | 50   | 80355      | 19.682   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 80212      | 21.573   | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 45536      | 29.625   | ug/l   | 97       |
| 6) Chloroethane              | 1.684          | 64   | 44086      | 23.585   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 114208     | 22.704   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 42885      | 21.161   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 65820      | 18.579   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 73152      | 16.959   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 94102      | 95.149   | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 64548      | 18.176   | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 41435      | 91.781   | ug/l   | 96       |
| 14) Allyl chloride           | 2.666          | 41   | 129940     | 17.249   | ug/l   | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 210092     | 97.377   | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 176741     | 77.484   | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 176191     | 17.257   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 137743     | 19.516   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 234625     | 18.720   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 75315      | 18.325   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 69161      | 18.586   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 260400     | 19.718   | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1031084    | 97.448   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 132382     | 18.259   | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 299345     | 90.700   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 110304     | 16.795   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 82710      | 18.770   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.897          | 49   | 65348      | 20.205   | ug/l   | 88       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 196411     | 97.553   | ug/l   | 98       |
| 30) Chloroform               | 5.092          | 83   | 129487     | 18.600   | ug/l   | 95       |
| 31) Cyclohexane              | 5.470          | 56   | 123220     | 18.665   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 113217     | 18.141   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 97578      | 19.137   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 115121     | 20.202   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 99598      | 18.983   | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.379          | 83   | 126215     | 19.235   | ug/l   | 97       |
| 40) Benzene                  | 6.037          | 78   | 297839     | 19.711   | ug/l   | 100      |

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 Sample : VX0221WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/22/2023  
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 05:51:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 63625    | 20.040  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 101654   | 19.128  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 197080   | 19.599  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 75922    | 19.580  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 79249    | 19.702  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 51734    | 19.542  | ug/l   | 90       |
| 47) Bromodichloromethane      | 7.818  | 83   | 103001   | 18.959  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 92264    | 19.331  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 40424    | 424.628 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 596266   | 107.776 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 187505   | 20.480  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 119034   | 19.035  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 126833   | 18.946  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 76249    | 20.632  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 126195   | 20.186  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 132580   | 20.620  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 280160   | 103.449 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 443461   | 105.177 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 80932    | 19.820  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 80759    | 20.663  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 64889    | 19.295  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 196321   | 19.766  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 74608    | 19.404  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 353378   | 19.804  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 275292   | 40.314  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 136516   | 20.081  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 225160   | 20.364  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 61200    | 19.499  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 349740   | 19.479  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 172844   | 19.162  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 119621   | 19.479  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 111760m  | 18.853  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 85050    | 19.684  | ug/l   | 88       |
| 78) n-propylbenzene           | 11.305 | 91   | 407205   | 19.501  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 243488   | 19.016  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 297731   | 19.723  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 40295    | 17.462  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 276986   | 18.993  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 303040   | 19.601  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 295220   | 19.342  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 368232   | 19.613  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 306790   | 19.745  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 158404   | 19.548  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 160357   | 19.620  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 269008   | 19.438  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 59334    | 18.264  | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 157407   | 19.854  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24325    | 16.611  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 98285    | 19.309  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 40610    | 19.245  | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 330370   | 19.267  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 96340    | 19.064  | ug/l   | 98       |

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Sample : VX0221WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/22/2023  
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Quant Time: Feb 22 05:51:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 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

