

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012324\  
 Data File : VX039899.D  
 Acq On : 23 Jan 2024 10:58  
 Operator : JC/MD  
 Sample : VX0123WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0123WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/24/2024  
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 02:28:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 93579      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 163530     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 151267     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 76549      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 73084      | 46.622   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.240%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 54608      | 49.578   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.160%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 201122     | 48.415   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 96.820%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 82007      | 50.482   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 100.960% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 19487      | 16.095   | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 21548      | 15.584   | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.373          | 62   | 22189      | 17.004   | ug/l   | 98       |
| 5) Bromomethane              | 1.605          | 94   | 14730      | 19.783   | ug/l   | 98       |
| 6) Chloroethane              | 1.684          | 64   | 13472      | 18.161   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 36299      | 19.283   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.129          | 74   | 12762      | 18.345   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 22507      | 19.286   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 23464      | 19.058   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.946          | 59   | 31818      | 77.974   | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 21098      | 18.732   | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 20648      | 71.357   | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 38467      | 17.353   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.056          | 53   | 72729      | 86.284   | ug/l   | 98       |
| 16) Acetone                  | 2.373          | 43   | 77106      | 87.461   | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.513          | 76   | 55096      | 17.020   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.696          | 43   | 34393      | 18.647   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 73271      | 18.324   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 24499      | 18.372   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 22640      | 19.101   | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.757          | 45   | 78588      | 18.577   | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 358024     | 91.046   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 43244      | 18.581   | ug/l   | 97       |
| 25) 2-Butanone               | 4.544          | 43   | 109083     | 86.101   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 32868      | 17.597   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 25853      | 19.018   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 19026      | 18.035   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 65925      | 80.845   | ug/l   | 98       |
| 30) Chloroform               | 5.092          | 83   | 44931      | 19.557   | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 36669      | 17.724   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 37660      | 19.147   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 33156      | 19.339   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 38989      | 17.047   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.671          | 117  | 30797      | 19.613   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.378          | 83   | 37579      | 18.253   | ug/l   | 99       |
| 40) Benzene                  | 6.031          | 78   | 93059      | 19.169   | ug/l   | 100      |

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 Sample : VX0123WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0123WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/24/2024  
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 02:28:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.909  | 41   | 20459    | 18.292  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 37516    | 20.326  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 60714    | 18.095  | ug/l   | 99       |
| 44) Trichloroethene           | 7.122  | 130  | 23788    | 19.994  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 24279    | 18.643  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 18312    | 20.358  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.817  | 83   | 34357    | 20.623  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.689  | 41   | 30562    | 18.531  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 10511    | 329.379 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 211191   | 91.394  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 58290    | 20.102  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 35292    | 19.964  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 38634    | 19.876  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 24172    | 19.580  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 37825    | 18.931  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 41281    | 19.731  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 79610    | 84.293  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 171279   | 93.654  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 24882    | 21.372  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 25422    | 19.885  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 19803    | 20.131  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 62448    | 19.821  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 22112    | 20.612  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 114792   | 19.625  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 85766    | 39.870  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 41263    | 19.369  | ug/l   | 95       |
| 70) Styrene                   | 10.652 | 104  | 68588    | 19.709  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 16343    | 20.288  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 112612   | 18.477  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 54168    | 17.051  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 41065    | 17.645  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 33658m   | 16.960  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 25223    | 18.588  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 141116   | 19.131  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 82669    | 18.133  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 98934    | 19.113  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10008    | 16.801  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 96178    | 18.599  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 91890    | 18.595  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 97421    | 18.865  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 123363   | 19.231  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 100957   | 19.691  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 51028    | 19.617  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 52039    | 19.370  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 98227    | 19.836  | ug/l   | 95       |
| 90) Hexachloroethane          | 12.536 | 117  | 15991    | 18.488  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 48809    | 18.980  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 9796     | 17.178  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 31094    | 19.786  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 14209    | 21.750  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 104159   | 18.004  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30384    | 19.157  | ug/l   | 99       |

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Sample : VX0123WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0123WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/24/2024  
Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 02:28:18 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
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

