

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121224\  
 Data File : VX044248.D  
 Acq On : 12 Dec 2024 13:36  
 Operator : JC/MD  
 Sample : VX1212WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1212WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/13/2024  
 Supervised By : Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 01:38:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.543          | 168  | 117518              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 207704              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 182723              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 84926               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 104652              | 50.790  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 101.580% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 73402               | 51.025  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.060% |         |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 254716              | 52.484  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 104.960% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 88958               | 52.457  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 104.920% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 36804               | 20.254  | ug/l   | 96       |
| 3) Chloromethane             | 1.294          | 50   | 32989               | 18.985  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.373          | 62   | 33867               | 18.708  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 24147               | 18.802  | ug/l   | 97       |
| 6) Chloroethane              | 1.666          | 64   | 22495               | 19.956  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 74052               | 20.895  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.135          | 74   | 22668               | 18.738  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 29077               | 20.275  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.440          | 142  | 34894               | 18.461  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.001          | 59   | 24737               | 85.184  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 25571               | 19.413  | ug/l   | 91       |
| 13) Acrolein                 | 2.239          | 56   | 40201               | 95.635  | ug/l   | 97       |
| 14) Allyl chloride           | 2.654          | 41   | 41239               | 18.796  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.068          | 53   | 82824               | 102.963 | ug/l   | 99       |
| 16) Acetone                  | 2.385          | 43   | 85011               | 101.201 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.501          | 76   | 44049               | 17.592  | ug/l   | 96       |
| 18) Methyl Acetate           | 2.708          | 43   | 45134               | 20.839  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 104148              | 20.261  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 31173               | 19.758  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.086          | 96   | 26825               | 19.162  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.763          | 45   | 97294               | 19.693  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.720          | 43   | 416385              | 103.664 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 54383               | 19.747  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 122217              | 102.341 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 44222               | 19.766  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 33767               | 18.992  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 27026               | 20.013  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 77224               | 100.745 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 59703               | 19.295  | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 44834               | 20.160  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 49722               | 19.359  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 37492               | 20.162  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.720          | 43   | 47569               | 20.695  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 40168               | 20.064  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.378          | 83   | 47795               | 21.500  | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 114727              | 20.321  | ug/l   | 98       |

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 Data File : VX044248.D  
 Acq On : 12 Dec 2024 13:36  
 Operator : JC/MD  
 Sample : VX1212WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1212WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/13/2024  
 Supervised By : Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 01:38:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 24889    | 20.392  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 49270    | 21.185  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74135    | 20.635  | ug/l   | 98       |
| 44) Trichloroethene           | 7.128  | 130  | 28381    | 20.158  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28381    | 19.676  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 22900    | 20.464  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.817  | 83   | 39527    | 20.453  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.695  | 41   | 37166    | 21.311  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10312    | 356.639 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 249242   | 107.897 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 72456    | 20.437  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39560    | 20.271  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 42893    | 20.384  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 29817    | 21.170  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 46703    | 21.004  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 51179    | 20.876  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 101508   | 90.512  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 186959   | 111.815 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 26584    | 19.113  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 31007    | 21.627  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 24535    | 20.231  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 79116    | 20.207  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 25175    | 20.006  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 134233   | 19.842  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 101342   | 40.824  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 50404    | 20.068  | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 83078    | 20.633  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 15474    | 19.595  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 131797   | 20.272  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 61893    | 20.599  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 46938    | 20.786  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 38204m   | 20.148  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 31561    | 20.019  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 147297   | 20.498  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 94925    | 20.426  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 111109   | 20.608  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10318    | 19.432  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 104318   | 20.271  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 109275   | 20.508  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 111078   | 20.978  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 134394   | 20.777  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 109597   | 20.357  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 55748    | 20.243  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 56406    | 19.925  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 91687    | 20.253  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 14892    | 18.949  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 57212    | 20.008  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 8215     | 18.740  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 31460    | 20.068  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 12078    | 19.154  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 126840   | 20.728  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 33710    | 20.274  | ug/l   | 98       |

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Sample : VX1212WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1212WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/13/2024  
Supervised By :Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 01:38:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration

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

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

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Data File : VX044248.D  
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