

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120221\  
 Data File : VX025419.D  
 Acq On : 02 Dec 2021 11:27  
 Operator : JC/MD  
 Sample : VX1202WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1202WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/03/2021  
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 03 03:04:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 93759               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 145340              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 132803              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 67856               | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 52628               | 53.252 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 106.500% |        |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 46705               | 52.374 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.740% |        |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 171190              | 51.057 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 102.120% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 64223               | 50.632 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 101.260% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 17458               | 21.480 | ug/l   | 98       |
| 3) Chloromethane             | 1.288          | 50   | 17213               | 17.105 | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 19803               | 17.924 | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 12051               | 25.370 | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 14035               | 18.410 | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 31127               | 18.981 | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 12322               | 18.207 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 17851               | 20.459 | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 17054               | 15.632 | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 21774               | 83.099 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 16644               | 19.153 | ug/l   | 87       |
| 13) Acrolein                 | 2.239          | 56   | 4326                | 95.549 | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 27929               | 17.758 | ug/l   | 96       |
| 15) Acrylonitrile            | 3.062          | 53   | 50809               | 95.805 | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 54117               | 98.547 | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.508          | 76   | 38296               | 15.666 | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 32989               | 18.802 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 58520               | 19.327 | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 19167               | 18.567 | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 18039               | 18.949 | ug/l   | 88       |
| 22) Diisopropyl ether        | 3.757          | 45   | 57303               | 19.132 | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.721          | 43   | 227826              | 94.697 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 32622               | 19.933 | ug/l   | 96       |
| 25) 2-Butanone               | 4.556          | 43   | 75765               | 95.428 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 28048               | 18.904 | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 21976               | 19.768 | ug/l   | 89       |
| 28) Bromochloromethane       | 4.897          | 49   | 16025               | 21.000 | ug/l   | 88       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 46500               | 94.590 | ug/l   | 98       |
| 30) Chloroform               | 5.099          | 83   | 33814               | 19.854 | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 28405               | 18.599 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 30863               | 19.793 | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 24258               | 19.130 | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.714          | 43   | 27942               | 19.368 | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 27045               | 19.364 | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 30404               | 18.693 | ug/l   | 92       |
| 40) Benzene                  | 6.037          | 78   | 74404               | 19.370 | ug/l   | 98       |

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 Sample : VX1202WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1202WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/03/2021  
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 03 03:04:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 14396    | 17.978  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 25961    | 20.771  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 45100    | 18.784  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 21765    | 19.505  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 18576    | 19.690  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 13803    | 20.154  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 25594    | 19.016  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 20571    | 18.256  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 9286     | 390.236 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 142557   | 94.688  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 47865    | 19.086  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 27219    | 18.186  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 30046    | 18.519  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 19983    | 20.048  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 30773    | 19.025  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 32329    | 19.569  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 73574    | 97.767  | ug/l   | 94       |
| 59) 2-Hexanone                | 9.433  | 43   | 111360   | 93.822  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.525  | 129  | 21408    | 18.661  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 21286    | 19.718  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 22136    | 20.214  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 54052    | 19.973  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 20390    | 19.647  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 93348    | 19.960  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 74239    | 38.864  | ug/l   | 94       |
| 69) o-Xylene                  | 10.646 | 106  | 36690    | 19.624  | ug/l   | 91       |
| 70) Styrene                   | 10.659 | 104  | 59268    | 19.189  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 15739    | 17.468  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.963 | 105  | 95305    | 19.707  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 36935    | 17.658  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 30271    | 19.352  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 23903m   | 17.202  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 24536    | 19.728  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 107044   | 19.719  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 64807    | 19.610  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 80062    | 19.695  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8564     | 15.526  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 72867    | 19.315  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 81612    | 19.755  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 78294    | 19.487  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 99303    | 19.772  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 83165    | 19.273  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 44740    | 19.325  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 45961    | 19.592  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 68759    | 18.905  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.542 | 117  | 13022    | 16.376  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 44550    | 19.745  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5646     | 17.280  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 26270    | 19.782  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 12422    | 19.481  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 84423    | 18.200  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 26447    | 20.358  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/03/2021  
Supervised By :Mahesh Dadoda 12/03/2021

Quant Time: Dec 03 03:04:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

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

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

