

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032023\  
 Data File : VX034627.D  
 Acq On : 20 Mar 2023 14:58  
 Operator : JC/MD  
 Sample : VX0320WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0320WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/21/2023  
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:42:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 265902              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 492514              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 400473              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 201537              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 210480              | 54.411  | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 108.820% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 148764              | 45.748  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 91.500%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 610850              | 50.320  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 100.640% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 214279              | 43.701  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 87.400%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 56327               | 22.723  | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 74356               | 18.987  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 70937               | 21.016  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 47749               | 28.038  | ug/l   | 94       |
| 6) Chloroethane              | 1.685          | 64   | 43844               | 22.560  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 110174              | 21.723  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 41675               | 22.510  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 58104               | 19.658  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 79637               | 20.522  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 65694               | 81.551  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 58051               | 19.943  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 57863               | 90.798  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 108754              | 18.428  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 175582              | 100.901 | ug/l   | 98       |
| 16) Acetone                  | 2.374          | 43   | 156288              | 85.770  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.514          | 76   | 138450              | 16.901  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 129096              | 21.682  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 207289              | 19.889  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 67908               | 19.202  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 60803               | 19.668  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.764          | 45   | 224554              | 19.957  | ug/l   | 88       |
| 23) Vinyl Acetate            | 3.721          | 43   | 826250              | 96.487  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 119278              | 19.720  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 247146              | 94.791  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 94580               | 17.989  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 72617               | 19.513  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.897          | 49   | 40240               | 14.308  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 163181              | 101.427 | ug/l   | 100      |
| 30) Chloroform               | 5.093          | 83   | 117994              | 19.901  | ug/l   | 96       |
| 31) Cyclohexane              | 5.471          | 56   | 109141              | 20.118  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 101373              | 19.314  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 93903               | 18.801  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 98648               | 18.079  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 88129               | 17.737  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 120578              | 20.173  | ug/l   | 95       |
| 40) Benzene                  | 6.037          | 78   | 261215              | 17.878  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032023\  
 Data File : VX034627.D  
 Acq On : 20 Mar 2023 14:58  
 Operator : JC/MD  
 Sample : VX0320WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0320WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/21/2023  
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:42:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 54715    | 18.297  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 101808   | 18.959  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 181508   | 19.636  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 72896    | 19.202  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 73411    | 19.243  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 51888    | 20.006  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 97341    | 19.392  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93268    | 20.980  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 34641    | 370.985 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 551124   | 102.778 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 180238   | 19.925  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 103586   | 18.317  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 114340   | 18.688  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 73907    | 20.587  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 115613   | 19.614  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 124709   | 19.546  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 286530   | 94.325  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 407690   | 98.354  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 62250    | 16.533  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 67738    | 17.486  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 58796    | 21.856  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 172957   | 19.684  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 59718    | 18.661  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 316277   | 20.106  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 241691   | 39.998  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 119772   | 19.751  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 191537   | 19.577  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 40059    | 16.262  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 313418   | 20.121  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 146034   | 19.574  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 102582   | 19.736  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 86624m   | 18.719  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 73848    | 19.761  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 367953   | 20.454  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 220987   | 19.891  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 266073   | 20.365  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 24603    | 14.383  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 255121   | 19.936  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 258119   | 19.595  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 266690   | 19.973  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 320772   | 19.919  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 270273   | 19.969  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 141540   | 19.330  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 142756   | 19.281  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 240879   | 20.020  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 41555    | 16.593  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 142136   | 20.086  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 20727    | 17.551  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 86048    | 19.445  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 33627    | 18.863  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 296350   | 19.971  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 84019    | 19.424  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032023\  
Data File : VX034627.D  
Acq On : 20 Mar 2023 14:58  
Operator : JC/MD  
Sample : VX0320WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0320WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/21/2023  
Supervised By :Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:42:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration

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

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

