

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051223\  
 Data File : VX035643.D  
 Acq On : 12 May 2023 17:14  
 Operator : JC/MD  
 Sample : 02213-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:59:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 188359   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 359337   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 316055   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 140270   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 175488   | 53.405   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 106.800% |      |
| 35) Dibromofluoromethane    | 5.391  | 113   | 115042   | 47.472   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 94.940%  |      |
| 50) Toluene-d8              | 8.647  | 98    | 419197   | 46.825   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 93.640%  |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 165723   | 45.975   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 91.940%  |      |

|                              |       |     |       |        |      |      |
|------------------------------|-------|-----|-------|--------|------|------|
| Target Compounds             |       |     |       | Qvalue |      |      |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 4657  | 1.897  | ug/l | 98   |
| 3) Chloromethane             | 1.294 | 50  | 6934  | 2.328  | ug/l | 96   |
| 4) Vinyl Chloride            | 1.374 | 62  | 5993  | 2.370  | ug/l | 93   |
| 5) Bromomethane              | 1.611 | 94  | 3956  | 2.889  | ug/l | 90   |
| 6) Chloroethane              | 1.691 | 64  | 3890  | 2.536  | ug/l | 98   |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 8596  | 2.312  | ug/l | 91   |
| 8) Diethyl Ether             | 2.130 | 74  | 3822  | 2.670  | ug/l | 87   |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 4670  | 2.116  | ug/l | 95   |
| 10) Methyl Iodide            | 2.453 | 142 | 4182  | 2.119  | ug/l | 92   |
| 11) Tert butyl alcohol       | 3.007 | 59  | 8191  | 14.129 | ug/l | # 73 |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 4639  | 2.212  | ug/l | 80   |
| 13) Acrolein                 | 2.239 | 56  | 9430  | 13.705 | ug/l | 100  |
| 14) Allyl chloride           | 2.666 | 41  | 10699 | 2.381  | ug/l | 94   |
| 15) Acrylonitrile            | 3.075 | 53  | 18382 | 14.399 | ug/l | 95   |
| 16) Acetone                  | 2.398 | 43  | 19713 | 13.958 | ug/l | 93   |
| 17) Carbon Disulfide         | 2.514 | 76  | 10074 | 1.990  | ug/l | 96   |
| 18) Methyl Acetate           | 2.709 | 43  | 14532 | 2.790  | ug/l | 95   |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 22020 | 2.638  | ug/l | 100  |
| 20) Methylene Chloride       | 2.788 | 84  | 7551  | 2.950  | ug/l | 98   |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 5732  | 2.494  | ug/l | 99   |
| 22) Diisopropyl ether        | 3.757 | 45  | 22397 | 2.546  | ug/l | 93   |
| 23) Vinyl Acetate            | 3.721 | 43  | 78102 | 12.545 | ug/l | 99   |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 12145 | 2.581  | ug/l | 99   |
| 25) 2-Butanone               | 4.574 | 43  | 28888 | 14.776 | ug/l | 97   |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 8033  | 2.016  | ug/l | 95   |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 6593  | 2.386  | ug/l | 91   |
| 28) Bromochloromethane       | 4.897 | 49  | 5208  | 2.461  | ug/l | 99   |
| 29) Tetrahydrofuran          | 5.025 | 42  | 18540 | 15.087 | ug/l | 98   |
| 30) Chloroform               | 5.092 | 83  | 12212 | 2.533  | ug/l | 90   |
| 31) Cyclohexane              | 5.470 | 56  | 8632  | 2.079  | ug/l | 95   |
| 32) 1,1,1-Trichloroethane    | 5.385 | 97  | 9960  | 2.374  | ug/l | 97   |
| 36) 1,1-Dichloropropene      | 5.696 | 75  | 8468  | 2.214  | ug/l | 97   |
| 37) Ethyl Acetate            | 4.721 | 43  | 10839 | 2.717  | ug/l | # 93 |
| 38) Carbon Tetrachloride     | 5.684 | 117 | 7287  | 2.011  | ug/l | 89   |
| 39) Methylcyclohexane        | 7.385 | 83  | 7804  | 1.733  | ug/l | 95   |
| 40) Benzene                  | 6.043 | 78  | 25528 | 2.386  | ug/l | 100  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051223\  
 Data File : VX035643.D  
 Acq On : 12 May 2023 17:14  
 Operator : JC/MD  
 Sample : 02213-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:59:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 6069     | 2.562  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 11537    | 2.506  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 17446    | 2.508  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 6045     | 2.228  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 6985     | 2.465  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 4724     | 2.435  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 7838     | 2.090  | ug/l   | 89       |
| 48) Methyl methacrylate       | 7.696  | 41   | 8775     | 2.556  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 3894     | 53.314 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 54078    | 13.492 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 15798    | 2.339  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 7265     | 1.783  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 8726     | 1.999  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 6384     | 2.406  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 10062    | 2.342  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 11721    | 2.437  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 27033    | 12.368 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 40496    | 13.416 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 4826     | 1.908  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 6349     | 2.271  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.269  | 164  | 4991     | 2.346  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.079 | 112  | 16186    | 2.346  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 5140     | 2.107  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 28894    | 2.227  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 21801    | 4.545  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 10731    | 2.255  | ug/l   | 90       |
| 70) Styrene                   | 10.659 | 104  | 17155    | 2.237  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 2904     | 1.809  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 27102    | 2.293  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 13140    | 2.384  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 9830     | 2.564  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 9288m    | 2.707  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 6627     | 2.470  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 30172    | 2.172  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 20509    | 2.358  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 22599    | 2.250  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75   | 90757    | 85.250 | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 24135    | 2.409  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 20990    | 2.149  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 22904    | 2.271  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 25675    | 2.094  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 20525    | 2.036  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 11539    | 2.264  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 12516    | 2.432  | ug/l   | 89       |
| 89) n-Butylbenzene            | 12.329 | 91   | 16743    | 1.826  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 2689     | 1.760  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 11841    | 2.373  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 1826     | 2.139  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 6349     | 2.113  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 2158     | 1.809  | ug/l   | 94       |
| 95) Naphthalene               | 13.774 | 128  | 25171    | 2.446  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 6479     | 2.192  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051223\  
Data File : VX035643.D  
Acq On : 12 May 2023 17:14  
Operator : JC/MD  
Sample : 02213-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:59:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

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

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

