

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051723\  
 Data File : VX035726.D  
 Acq On : 17 May 2023 18:20  
 Operator : JC/MD  
 Sample : 02213-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: May 18 06:00:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 06:00:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/18/2023  
 Supervised By :Mahesh Dadoda 05/18/2023

05/18/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 200513   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 368055   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 318678   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 140682   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 191226   | 54.667   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | = 109.340% |      |
| 35) Dibromofluoromethane  | 5.391  | 113   | 119330   | 48.075   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 96.160%  |      |
| 50) Toluene-d8            | 8.647  | 98    | 451787   | 49.270   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | = 98.540%  |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 176227   | 47.731   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | = 95.460%  |      |

### Target Compounds

|                               |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 3) Chloromethane              | 1.295 | 50  | 973   | 0.307 | ug/l   | 92     |
| 4) Vinyl Chloride             | 1.374 | 62  | 555   | 0.206 | ug/l   | 90     |
| 5) Bromomethane               | 1.618 | 94  | 544   | 0.373 | ug/l   | 97     |
| 6) Chloroethane               | 1.697 | 64  | 523   | 0.320 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.886 | 101 | 932   | 0.236 | ug/l # | 70     |
| 8) Diethyl Ether              | 2.136 | 74  | 478   | 0.314 | ug/l   | 60     |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331 | 101 | 600   | 0.255 | ug/l # | 85     |
| 10) Methyl Iodide             | 2.453 | 142 | 443   | 0.211 | ug/l # | 89     |
| 11) Tert butyl alcohol        | 3.056 | 59  | 484m  | 0.784 | ug/l   |        |
| 12) 1,1-Dichloroethene        | 2.319 | 96  | 588   | 0.263 | ug/l # | 71     |
| 13) Acrolein                  | 2.240 | 56  | 603   | 0.823 | ug/l   | 86     |
| 14) Allyl chloride            | 2.666 | 41  | 962   | 0.201 | ug/l # | 87     |
| 15) Acrylonitrile             | 3.081 | 53  | 1394  | 1.026 | ug/l   | 96     |
| 16) Acetone                   | 2.404 | 43  | 2377  | 1.581 | ug/l   | 96     |
| 18) Methyl Acetate            | 2.715 | 43  | 1398  | 0.252 | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 3.123 | 73  | 1983  | 0.223 | ug/l   | 95     |
| 20) Methylene Chloride        | 2.788 | 84  | 1087  | 0.399 | ug/l # | 83     |
| 22) Diisopropyl ether         | 3.770 | 45  | 1960  | 0.209 | ug/l # | 86     |
| 23) Vinyl Acetate             | 3.733 | 43  | 5941  | 0.896 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.611 | 63  | 1107  | 0.221 | ug/l # | 81     |
| 25) 2-Butanone                | 4.581 | 43  | 2593  | 1.246 | ug/l   | 98     |
| 29) Tetrahydrofuran           | 5.032 | 42  | 1644m | 1.257 | ug/l   |        |
| 30) Chloroform                | 5.087 | 83  | 1248  | 0.243 | ug/l   | 86     |
| 31) Cyclohexane               | 5.483 | 56  | 928   | 0.210 | ug/l # | 71     |
| 36) 1,1-Dichloropropene       | 5.708 | 75  | 902m  | 0.230 | ug/l   |        |
| 37) Ethyl Acetate             | 4.745 | 43  | 1011  | 0.247 | ug/l # | 70     |
| 40) Benzene                   | 6.038 | 78  | 2231  | 0.204 | ug/l   | 95     |
| 41) Methacrylonitrile         | 4.934 | 41  | 532m  | 0.219 | ug/l   |        |
| 42) 1,2-Dichloroethane        | 6.099 | 62  | 1385  | 0.294 | ug/l   | 84     |
| 43) Isopropyl Acetate         | 6.349 | 43  | 1659  | 0.233 | ug/l # | 80     |
| 44) Trichloroethene           | 7.123 | 130 | 928   | 0.334 | ug/l   | 85     |
| 45) 1,2-Dichloropropane       | 7.415 | 63  | 604m  | 0.208 | ug/l   |        |
| 49) 1,4-Dioxane               | 7.757 | 88  | 391m  | 5.174 | ug/l   |        |
| 51) 4-Methyl-2-Pentanone      | 8.580 | 43  | 3746  | 0.912 | ug/l   | 99     |
| 52) Toluene                   | 8.720 | 92  | 1437  | 0.208 | ug/l   | 88     |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63  | 1931  | 0.863 | ug/l   | 97     |

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 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: May 18 06:00:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 06:00:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/18/2023  
 Supervised By :Mahesh Dadoda 05/18/2023

05/18/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |            |
|-------------------------------|--------|------|----------|-------|--------|----------|------------|
| 59) 2-Hexanone                | 9.433  | 43   | 2700     | 0.873 | ug/l   | 97       | 05/18/2023 |
| 64) Tetrachloroethene         | 9.269  | 164  | 555      | 0.259 | ug/l # | 64       |            |
| 65) Chlorobenzene             | 10.080 | 112  | 1518     | 0.218 | ug/l   | 94       |            |
| 68) m/p-Xylenes               | 10.299 | 106  | 1857     | 0.384 | ug/l   | 93       |            |
| 69) o-Xylene                  | 10.640 | 106  | 968      | 0.202 | ug/l   | 96       |            |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 852      | 0.222 | ug/l   | 89       |            |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 998m     | 0.290 | ug/l   |          |            |
| 77) Bromobenzene              | 11.195 | 156  | 572      | 0.213 | ug/l   | 93       |            |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 1049     | 0.210 | ug/l   | 96       |            |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 658      | 0.218 | ug/l   | 86       |            |

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

