Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
Data File : VN067344.D
Acq On : 15 Jun 2021 14:11
Operator : JC/MD
Sample : M2262-09 .2PPB MDL
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MDL-WATER-03-QT2-2021DL

**Manual Integrations APPROVED**
MMDadoda
6/16/2021 5:03:15 PM

Quant Time: Jun 16 04:31:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 16 04:29:50 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 8.088 | 168 | 338835 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.971 | 114 | 646583 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.749 | 117 | 583949 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.677 | 152 | 221890 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.440 | 65 | 330437 | 49.435 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 98.860% | | | | |
| 35) Dibromofluoromethane | 8.024 | 113 | 207391 | 48.227 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 96.460% | | | | |
| 50) Toluene-d8 | 10.446 | 98 | 791189 | 48.002 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 96.000% | | | | |
| 62) 4-Bromofluorobenzene | 12.736 | 95 | 310907 | 45.708 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 91.420% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) Chloromethane | 2.292 | 50 | 1982m | 0.385 | ug/l | | |
| 4) Vinyl Chloride | 2.451 | 62 | 1114m | 0.221 | ug/l | | |
| 5) Bromomethane | 2.840 | 94 | 1074 | 0.502 | ug/l | # | 63 |
| 10) Methyl Iodide | 4.403 | 142 | 798m | 0.216 | ug/l | | |
| 11) Tert butyl alcohol | 5.398 | 59 | 704 | 0.640 | ug/l | # | 71 |
| 12) 1,1-Dichloroethene | 4.173 | 96 | 972m | 0.239 | ug/l | | |
| 13) Acrolein | 4.049 | 56 | 1617m | 2.354 | ug/l | | |
| 14) Allyl chloride | 4.832 | 41 | 2935m | 0.326 | ug/l | | |
| 15) Acrylonitrile | 5.567 | 53 | 2196m | 0.909 | ug/l | | |
| 16) Acetone | 4.293 | 43 | 5785m | 2.255 | ug/l | | |
| 17) Carbon Disulfide | 4.524 | 76 | 3690 | 0.281 | ug/l | # | 74 |
| 18) Methyl Acetate | 4.878 | 43 | 3572m | 0.574 | ug/l | | |
| 20) Methylene Chloride | 5.101 | 84 | 3890m | 0.729 | ug/l | | |
| 23) Vinyl Acetate | 6.439 | 43 | 12411 | 0.814 | ug/l | | 99 |
| 25) 2-Butanone | 7.356 | 43 | 4542m | 1.239 | ug/l | | |
| 26) 2,2-Dichloropropane | 7.327 | 77 | 2496m | 0.264 | ug/l | | |
| 27) cis-1,2-Dichloroethene | 7.321 | 96 | 1132m | 0.214 | ug/l | | |
| 29) Tetrahydrofuran | 7.713 | 42 | 2933m | 1.269 | ug/l | | |
| 30) Chloroform | 7.815 | 83 | 2074 | 0.212 | ug/l | | 98 |
| 31) Cyclohexane | 8.083 | 56 | 12418 | 1.367 | ug/l | # | 46 |
| 36) 1,1-Dichloropropene | 8.220 | 75 | 1784m | 0.246 | ug/l | | |
| 37) Ethyl Acetate | 7.423 | 43 | 2807m | 0.366 | ug/l | | |
| 38) Carbon Tetrachloride | 8.206 | 117 | 1714m | 0.220 | ug/l | | |
| 39) Methylcyclohexane | 9.459 | 83 | 1550 | 0.202 | ug/l | # | 92 |
| 41) Methacrylonitrile | 7.659 | 41 | 1521m | 0.381 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.528 | 62 | 2138 | 0.250 | ug/l | # | 79 |
| 43) Isopropyl Acetate | 8.558 | 43 | 2909 | 0.211 | ug/l | # | 59 |
| 46) Dibromomethane | 9.577 | 93 | 790 | 0.215 | ug/l | # | 25 |
| 49) 1,4-Dioxane | 9.582 | 88 | 150 | 1.744 | ug/l | # | 20 |
| 51) 4-Methyl-2-Pentanone | 10.336 | 43 | 7114 | 0.896 | ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 10.907 | 97 | 1000 | 0.203 | ug/l | # | 86 |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63 | 1699 | 0.660 | ug/l | # | 88 |
| 59) 2-Hexanone | 11.092 | 43 | 6287 | 1.081 | ug/l | | 96 |
| 68) m/p-Xylenes | 11.958 | 106 | 3067 | 0.343 | ug/l | | 84 |
| 73) Isopropylbenzene | 12.586 | 105 | 4267 | 0.200 | ug/l | | 94 |
| 74) N-amyl acetate | 12.395 | 43 | 2699 | 0.260 | ug/l | # | 85 |

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|---|---|---|---|---|---|---|---|
| 75) 1,1,2,2-Tetrachloroethane | 12.833 | 83 | 1550 | 0.244 | ug/l | # | 83 |
| 76) 1,2,3-Trichloropropane | 12.881 | 75 | 1193m | 0.207 | ug/l | | |
| 77) Bromobenzene | 12.857 | 156 | 872 | 0.201 | ug/l | | 71 |
| 78) n-propylbenzene | 12.921 | 91 | 6315 | 0.249 | ug/l | | 90 |
| 79) 2-Chlorotoluene | 13.018 | 91 | 3191 | 0.202 | ug/l | | 94 |
| 80) 1,3,5-Trimethylbenzene | 13.061 | 105 | 3788 | 0.211 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 13.112 | 91 | 3917m | 0.249 | ug/l | | |
| 83) tert-Butylbenzene | 13.323 | 119 | 3128 | 0.219 | ug/l | | 94 |
| 84) 1,2,4-Trimethylbenzene | 13.369 | 105 | 3984 | 0.225 | ug/l | # | 66 |
| 85) sec-Butylbenzene | 13.508 | 105 | 4303 | 0.213 | ug/l | | 95 |
| 86) p-Isopropyltoluene | 13.624 | 119 | 3756 | 0.230 | ug/l | | 96 |
| 87) 1,3-Dichlorobenzene | 13.624 | 146 | 1714 | 0.219 | ug/l | | 68 |
| 88) 1,4-Dichlorobenzene | 13.694 | 146 | 2534m | 0.322 | ug/l | | |
| 89) n-Butylbenzene | 13.946 | 91 | 4032 | 0.263 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 13.986 | 146 | 1768m | 0.238 | ug/l | | |
| 92) 1,2-Dibromo-3-Chloropr... | 14.597 | 75 | 535m | 0.337 | ug/l | | |
| 93) 1,2,4-Trichlorobenzene | 15.268 | 180 | 1480 | 0.382 | ug/l | # | 58 |
| 94) Hexachlorobutadiene | 15.372 | 225 | 544 | 0.244 | ug/l | # | 61 |
| 95) Naphthalene | 15.515 | 128 | 5695 | 0.482 | ug/l | # | 70 |
| 96) 1,2,3-Trichlorobenzene | 15.700 | 180 | 1305 | 0.351 | ug/l | # | 19 |

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

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