Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
Data File : VU060272.D
Acq On : 30 Jul 2024 19:27
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU073024

Quant Time: Jul 31 04:54:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 31 04:49:33 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.104 | 96 | 40701 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.628 | 95 | 15716 | 1.145 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 115.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 16406 | 1.113 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 111.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.384 | 85 | 75496 | 5.177 | ug/l | 96 |
| 3) Chloromethane | 1.519 | 50 | 129705 | 7.392 | ug/l | 97 |
| 4) Vinyl Chloride | 1.602 | 62 | 132388 | 7.797 | ug/l | 99 |
| 5) Bromomethane | 1.853 | 94 | 85199 | 8.247 | ug/l | 99 |
| 6) Chloroethane | 1.927 | 64 | 86377 | 8.460 | ug/l | 97 |
| 7) Trichlorofluoromethane | 2.133 | 101 | 163164 | 8.502 | ug/l | 99 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576 | 101 | 102680 | 9.577 | ug/l | 99 |
| 9) 1,1-Dichloroethene | 2.573 | 96 | 106349 | 9.733 | ug/l | 95 |
| 10) Iodomethane | 2.715 | 142 | 127911 | 9.609 | ug/l | 99 |
| 11) Allyl Chloride | 2.914 | 41 | 163203 | 10.326 | ug/l | 96 |
| 12) Acrylonitrile | 3.313 | 53 | 151318 | 49.197 | ug/l | 97 |
| 13) Acetone | 2.631 | 43 | 93618 | 32.342 | ug/l | 98 |
| 14) Carbon Disulfide | 2.785 | 76 | 340895 | 8.833 | ug/l | 100 |
| 15) Methylene Chloride | 3.036 | 84 | 131465 | 8.619 | ug/l | 99 |
| 16) trans-1,2-Dichloroethene | 3.342 | 96 | 112716 | 9.353 | ug/l | 97 |
| 17) 1,1-Dichloroethane | 3.856 | 63 | 229270 | 9.912 | ug/l | 99 |
| 18) 2-Butanone | 4.718 | 43 | 169334 | 39.781 | ug/l | 99 |
| 19) Cyclohexane | 5.367 | 56 | 189919m | 9.083 | ug/l | |
| 20) Methylcyclohexane | 6.750 | 83 | 162428 | 9.857 | ug/l | 100 |
| 21) 2,2-Dichloropropane | 4.650 | 77 | 151935 | 8.832 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.654 | 96 | 133139 | 10.264 | ug/l | 98 |
| 23) Diethyl Ether | 2.374 | 59 | 85439 | 9.134 | ug/l | 99 |
| 24) tert-Butyl Alcohol | 3.213 | 59 | 53660 | 50.086 | ug/l | 100 |
| 25) Methyl tert-Butyl Ether | 3.361 | 73 | 284457 | 10.142 | ug/l | 99 |
| 26) Bromochloromethane | 4.965 | 128 | 54507 | 10.443 | ug/l | 96 |
| 27) Chloroform | 5.078 | 83 | 221343 | 9.871 | ug/l | 97 |
| 28) 1,1,1-Trichloroethane | 5.300 | 97 | 178724 | 9.671 | ug/l | 99 |
| 29) 1,1-Dichloropropene | 5.509 | 75 | 140272 | 9.358 | ug/l | 100 |
| 30) Carbon Tetrachloride | 5.506 | 117 | 143873 | 9.595 | ug/l | 98 |
| 31) Isopropyl Ether | 3.994 | 45 | 366163 | 10.521 | ug/l # | 1 |
| 34) Propionitrile | 4.789 | 54 | 119136 | 98.219 | ug/l | 99 |
| 35) Benzene | 5.760 | 78 | 467134 | 10.034 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.789 | 62 | 124837 | 9.286 | ug/l | 98 |
| 37) Trichloroethene | 6.531 | 130 | 104193 | 9.076 | ug/l | 96 |
| 38) 1,2-Dichloropropane | 6.785 | 63 | 122407 | 9.452 | ug/l | 99 |
| 39) Methacrylonitrile | 4.975 | 41 | 44838 | 9.627 | ug/l | 98 |
| 40) Methyl acrylate | 4.850 | 55 | 76511 | 10.001 | ug/l | 99 |
| 41) Tetrahydrofuran | 5.065 | 42 | 116468 | 48.132 | ug/l | 99 |
| 42) 1-Chlorobutane | 5.441 | 56 | 208571 | 9.877 | ug/l | 98 |
| 43) Dibromomethane | 6.911 | 93 | 66468 | 10.364 | ug/l | 99 |
| 44) Bromodichloromethane | 7.100 | 83 | 157731 | 10.290 | ug/l | 99 |
| 45) 4-Methyl-2-Pentanone | 7.798 | 43 | 362587 | 56.184 | ug/l | 99 |
| 46) t-1,4-Dichloro-2-butene | 10.830 | 75 | 28995m | 10.762 | ug/l | |

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**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU073024

Quant Time: Jul 31 04:54:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 31 04:49:33 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 47) Methyl methacrylate | 6.965 | 69 | 55032 | 9.819 | ug/l | 98 |
| 48) Ethyl methacrylate | 8.335 | 69 | 111343 | 9.895 | ug/l | 100 |
| 49) Toluene | 7.962 | 92 | 285415 | 11.050 | ug/l | 100 |
| 50) t-1,3-Dichloropropene | 8.206 | 75 | 132440 | 10.255 | ug/l | 99 |
| 51) cis-1,3-Dichloropropene | 7.602 | 75 | 151531 | 9.842 | ug/l | 99 |
| 52) 1,1,2-Trichloroethane | 8.396 | 97 | 90652 | 9.785 | ug/l | 98 |
| 53) 1,3-Dichloropropane | 8.570 | 76 | 153030 | 10.045 | ug/l | 99 |
| 54) 2-Hexanone | 8.689 | 43 | 256191 | 53.187 | ug/l | 99 |
| 55) Dibromochloromethane | 8.804 | 129 | 106717 | 10.489 | ug/l | 99 |
| 56) 1,2-Dibromoethane | 8.920 | 107 | 85490 | 10.228 | ug/l | 100 |
| 58) Tetrachloroethene | 8.547 | 164 | 112111 | 10.304 | ug/l | 99 |
| 59) Chlorobenzene | 9.441 | 112 | 298730 | 10.775 | ug/l | 99 |
| 60) 1,1,1,2-Tetrachloroethane | 9.528 | 131 | 103482 | 9.705 | ug/l | 99 |
| 61) Pentachloroethane | 11.422 | 117 | 87238 | 10.317 | ug/l | 100 |
| 62) Hexachloroethane | 12.470 | 117 | 88974 | 10.576 | ug/l | 99 |
| 63) Ethyl Benzene | 9.567 | 91 | 515963 | 9.666 | ug/l | 99 |
| 64) m/p-Xylenes | 9.689 | 106 | 426213 | 19.788 | ug/l | 100 |
| 65) o-Xylene | 10.097 | 106 | 192290 | 9.596 | ug/l | 98 |
| 66) Styrene | 10.110 | 104 | 354504 | 10.205 | ug/l | 99 |
| 67) Bromoform | 10.284 | 173 | 62736 | 10.461 | ug/l | 98 |
| 69) Isopropylbenzene | 10.480 | 105 | 520744 | 10.016 | ug/l | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 123063 | 9.910 | ug/l | 98 |
| 71) 1,2,3-Trichloropropane | 10.817 | 75 | 89615m | 9.895 | ug/l | |
| 72) Bromobenzene | 10.775 | 156 | 125501 | 11.159 | ug/l | 99 |
| 73) n-propylbenzene | 10.901 | 120 | 140572 | 9.754 | ug/l | 100 |
| 74) 2-Chlorotoluene | 10.981 | 126 | 130603 | 11.622 | ug/l | 100 |
| 75) 1,3,5-Trimethylbenzene | 11.084 | 105 | 461468 | 10.000 | ug/l | 99 |
| 76) 4-Chlorotoluene | 11.091 | 126 | 138451 | 10.101 | ug/l | 100 |
| 77) tert-Butylbenzene | 11.415 | 119 | 420849 | 9.986 | ug/l | 99 |
| 78) 1,2,4-Trimethylbenzene | 11.464 | 105 | 465615 | 9.895 | ug/l | 99 |
| 79) sec-Butylbenzene | 11.637 | 105 | 582488 | 9.881 | ug/l | 99 |
| 80) Nitrobenzene | 13.209 | 77 | 6592m | 11.294 | ug/l | |
| 81) p-Isopropyltoluene | 11.788 | 119 | 475617 | 9.994 | ug/l | 99 |
| 82) 1,3-Dichlorobenzene | 11.740 | 146 | 253240 | 11.122 | ug/l | 99 |
| 83) 1,4-Dichlorobenzene | 11.830 | 146 | 256259 | 11.309 | ug/l | 99 |
| 84) n-Butylbenzene | 12.203 | 91 | 428381 | 9.975 | ug/l | 99 |
| 85) 1,2-Dichlorobenzene | 12.206 | 146 | 245903 | 11.124 | ug/l | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75 | 17747 | 10.131 | ug/l | 98 |
| 87) 1,2,4-Trichlorobenzene | 13.836 | 180 | 145510 | 12.566 | ug/l | 98 |
| 88) Hexachlorobutadiene | 14.017 | 225 | 78784 | 10.340 | ug/l | 99 |
| 89) Naphthalene | 14.081 | 128 | 258202 | 10.422 | ug/l | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.325 | 180 | 138477 | 10.177 | ug/l | 99 |

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

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