Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
Data File : VU057793.D
Acq On : 02 Feb 2024 14:16
Operator : MD/SY
Sample : P1187-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 05 02:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Feb 05 02:31:17 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
LOQ-WATER-02-QT1-2024

**Manual Integrations APPROVED**

Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Fluorobenzene | 6.110 | 96 | 42470 | 1.000 | ug/l | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 57) 4-Bromofluorobenzene | 10.631 | 95 | 14798 | 0.920 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 92.000% | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.190 | 152 | 12821 | 0.885 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 89.000% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.384 | 85 | 12931 | 0.914 | ug/l | 95 |
| 3) Chloromethane | 1.519 | 50 | 12994 | 0.958 | ug/l | 99 |
| 4) Vinyl Chloride | 1.602 | 62 | 13943 | 1.008 | ug/l | 98 |
| 5) Bromomethane | 1.856 | 94 | 9093 | 1.107 | ug/l | 98 |
| 6) Chloroethane | 1.930 | 64 | 8418 | 0.963 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.133 | 101 | 19963 | 0.942 | ug/l | 96 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576 | 101 | 10583 | 0.972 | ug/l | 98 |
| 9) 1,1-Dichloroethene | 2.576 | 96 | 10181 | 0.965 | ug/l | 98 |
| 10) Iodomethane | 2.718 | 142 | 10296 | 0.822 | ug/l | 96 |
| 11) Allyl Chloride | 2.920 | 41 | 14532 | 1.015 | ug/l | 88 |
| 12) Acrylonitrile | 3.335 | 53 | 3459m | 1.920 | ug/l | |
| 13) Acetone | 2.647 | 43 | 18437 | 5.655 | ug/l | 90 |
| 14) Carbon Disulfide | 2.789 | 76 | 31829 | 0.942 | ug/l | 98 |
| 15) Methylene Chloride | 3.039 | 84 | 12857 | 1.020 | ug/l | 99 |
| 16) trans-1,2-Dichloroethene | 3.348 | 96 | 11524 | 1.000 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.863 | 63 | 21033 | 0.967 | ug/l | 99 |
| 18) 2-Butanone | 4.731 | 43 | 16595 | 4.723 | ug/l | 94 |
| 19) Cyclohexane | 5.380 | 56 | 16549 | 0.971 | ug/l | 88 |
| 20) Methylcyclohexane | 6.756 | 83 | 19336 | 0.938 | ug/l | 96 |
| 21) 2,2-Dichloropropane | 4.660 | 77 | 18529 | 0.959 | ug/l | 97 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 11892 | 0.942 | ug/l | 94 |
| 23) Diethyl Ether | 2.371 | 59 | 7395 | 0.971 | ug/l | 95 |
| 24) tert-Butyl Alcohol | 3.284 | 59 | 9572m | 11.054 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.355 | 73 | 24265 | 0.980 | ug/l # | 88 |
| 26) Bromochloromethane | 4.969 | 128 | 5015 | 0.989 | ug/l | 95 |
| 27) Chloroform | 5.081 | 83 | 22217 | 0.982 | ug/l | 98 |
| 28) 1,1,1-Trichloroethane | 5.309 | 97 | 19200 | 0.940 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.522 | 75 | 15989 | 0.968 | ug/l | 96 |
| 30) Carbon Tetrachloride | 5.518 | 117 | 16544 | 0.940 | ug/l | 97 |
| 31) Isopropyl Ether | 3.985 | 45 | 31033 | 0.975 | ug/l | 94 |
| 32) Ethyl-t-butyl ether | 4.493 | 59 | 28505 | 0.964 | ug/l | 99 |
| 33) Tert-Amyl methyl ether | 5.933 | 73 | 23493 | 0.944 | ug/l | 99 |
| 34) Propionitrile | 4.834 | 54 | 3431m | 4.711 | ug/l | |
| 35) Benzene | 5.769 | 78 | 45125 | 0.949 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.792 | 62 | 13430 | 0.969 | ug/l # | 85 |
| 37) Trichloroethene | 6.541 | 130 | 12287 | 0.973 | ug/l | 99 |
| 38) 1,2-Dichloropropane | 6.785 | 63 | 11445 | 0.928 | ug/l | 96 |
| 39) Methacrylonitrile | 4.991 | 41 | 2904 | 1.000 | ug/l # | 76 |
| 40) Methyl acrylate | 4.875 | 55 | 3465 | 0.793 | ug/l # | 75 |
| 41) Tetrahydrofuran | 5.075 | 42 | 3099 | 2.000 | ug/l # | 89 |
| 42) 1-Chlorobutane | 5.454 | 56 | 21478 | 0.986 | ug/l | 97 |
| 43) Dibromomethane | 6.917 | 93 | 5689 | 1.003 | ug/l | 95 |
| 44) Bromodichloromethane | 7.100 | 83 | 14878 | 0.937 | ug/l | 96 |

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MSVOA_U
**ClientSampleId :**
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Quant Time: Feb 05 02:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Feb 05 02:31:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.792 | 43 | 27449 | 4.540 | ug/l | | 98 |
| 46) t-1,4-Dichloro-2-butene | 10.833 | 75 | 3446m | 2.509 | ug/l | | |
| 47) Methyl methacrylate | 6.962 | 69 | 9539 | 1.904 | ug/l | | 95 |
| 48) Ethyl methacrylate | 8.335 | 69 | 8398 | 0.836 | ug/l | | 89 |
| 49) Toluene | 7.965 | 92 | 27320 | 0.940 | ug/l | | 99 |
| 50) t-1,3-Dichloropropene | 8.210 | 75 | 12559 | 0.916 | ug/l | | 100 |
| 51) cis-1,3-Dichloropropene | 7.605 | 75 | 15368 | 0.885 | ug/l | | 96 |
| 52) 1,1,2-Trichloroethane | 8.396 | 97 | 7537 | 0.964 | ug/l | | 93 |
| 53) 1,3-Dichloropropane | 8.570 | 76 | 13319 | 0.948 | ug/l | | 98 |
| 54) 2-Hexanone | 8.689 | 43 | 25879 | 4.650 | ug/l | | 96 |
| 55) Dibromochloromethane | 8.804 | 129 | 8710 | 0.900 | ug/l | | 98 |
| 56) 1,2-Dibromoethane | 8.920 | 107 | 6582 | 0.915 | ug/l | | 92 |
| 58) Tetrachloroethene | 8.550 | 164 | 11278 | 1.012 | ug/l | | 94 |
| 59) Chlorobenzene | 9.444 | 112 | 31143 | 0.969 | ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.531 | 131 | 10255 | 0.940 | ug/l | | 95 |
| 61) Pentachloroethane | 11.419 | 117 | 6659 | 0.840 | ug/l | | 89 |
| 62) Hexachloroethane | 12.470 | 117 | 6822 | 0.789 | ug/l | | 98 |
| 63) Ethyl Benzene | 9.566 | 91 | 54081 | 0.946 | ug/l | | 98 |
| 64) m/p-Xylenes | 9.692 | 106 | 38884 | 1.874 | ug/l | | 97 |
| 65) o-Xylene | 10.097 | 106 | 19509 | 0.950 | ug/l | | 94 |
| 66) Styrene | 10.113 | 104 | 26479 | 0.864 | ug/l | | 93 |
| 67) Bromoform | 10.287 | 173 | 4203 | 0.844 | ug/l | | 99 |
| 69) Isopropylbenzene | 10.480 | 105 | 47533 | 0.883 | ug/l | | 99 |
| 70) 1,1,2,2-Tetrachloroethane | 10.779 | 83 | 9177 | 0.937 | ug/l | | 97 |
| 71) 1,2,3-Trichloropropane | 10.820 | 75 | 6639m | 0.821 | ug/l | | |
| 72) Bromobenzene | 10.782 | 156 | 10712 | 0.904 | ug/l | | 85 |
| 73) n-propylbenzene | 10.901 | 120 | 12369 | 0.914 | ug/l | | 97 |
| 74) 2-Chlorotoluene | 10.984 | 126 | 11346 | 0.904 | ug/l | | 97 |
| 75) 1,3,5-Trimethylbenzene | 11.084 | 105 | 42051 | 0.909 | ug/l | | 99 |
| 76) 4-Chlorotoluene | 11.097 | 126 | 11047 | 0.876 | ug/l | | 97 |
| 77) tert-Butylbenzene | 11.415 | 119 | 38677 | 0.891 | ug/l | | 96 |
| 78) 1,2,4-Trimethylbenzene | 11.464 | 105 | 42442 | 0.905 | ug/l | | 100 |
| 79) sec-Butylbenzene | 11.637 | 105 | 51730 | 0.932 | ug/l | | 99 |
| 80) Nitrobenzene | 13.226 | 77 | 616 | 3.208 | ug/l | # | 60 |
| 81) p-Isopropyltoluene | 11.788 | 119 | 43255 | 0.925 | ug/l | | 96 |
| 82) 1,3-Dichlorobenzene | 11.743 | 146 | 21310 | 0.889 | ug/l | | 97 |
| 83) 1,4-Dichlorobenzene | 11.833 | 146 | 21166 | 0.905 | ug/l | | 96 |
| 84) n-Butylbenzene | 12.206 | 91 | 42959 | 0.960 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.209 | 146 | 22389 | 1.030 | ug/l | | 97 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.000 | 75 | 1277 | 0.952 | ug/l | # | 79 |
| 87) 1,2,4-Trichlorobenzene | 13.840 | 180 | 16375 | 1.261 | ug/l | | 98 |
| 88) Hexachlorobutadiene | 14.016 | 225 | 8406 | 1.009 | ug/l | | 99 |
| 89) Naphthalene | 14.087 | 128 | 23876 | 1.191 | ug/l | | 97 |
| 90) 1,2,3-Trichlorobenzene | 14.328 | 180 | 10533 | 0.975 | ug/l | | 95 |

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

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