Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
Data File : VU055233.D
Acq On : 11 Sep 2023 13:48
Operator : MD/SY
Sample : VU0911WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 21 05:14:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 21 05:13:10 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.113 | 96 | 60155 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.634 | 95 | 21578 | 0.924 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 92.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.193 | 152 | 22162 | 0.974 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 97.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 37639 | 1.906 | ug/l | 98 |
| 3) Chloromethane | 1.515 | 50 | 39547 | 1.912 | ug/l | 97 |
| 4) Vinyl Chloride | 1.602 | 62 | 43216 | 1.999 | ug/l | 96 |
| 5) Bromomethane | 1.853 | 94 | 36050 | 2.097 | ug/l | 98 |
| 6) Chloroethane | 1.930 | 64 | 27715 | 2.023 | ug/l | 100 |
| 7) Trichlorofluoromethane | 2.136 | 101 | 60794 | 2.023 | ug/l | 98 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576 | 101 | 29546 | 1.942 | ug/l | 93 |
| 9) 1,1-Dichloroethene | 2.576 | 96 | 26454 | 1.902 | ug/l | 96 |
| 10) Iodomethane | 2.721 | 142 | 27526 | 1.564 | ug/l | 94 |
| 11) Allyl Chloride | 2.920 | 41 | 32229 | 1.864 | ug/l # | 81 |
| 12) Acrylonitrile | 3.322 | 53 | 10010 | 3.801 | ug/l | 95 |
| 13) Acetone | 2.624 | 43 | 43619 | 9.428 | ug/l | 90 |
| 14) Carbon Disulfide | 2.788 | 76 | 84825 | 1.883 | ug/l | 97 |
| 15) Methylene Chloride | 3.039 | 84 | 37990 | 2.285 | ug/l | 96 |
| 16) trans-1,2-Dichloroethene | 3.351 | 96 | 31689 | 1.919 | ug/l | 92 |
| 17) 1,1-Dichloroethane | 3.869 | 63 | 58563 | 1.855 | ug/l | 98 |
| 18) 2-Butanone | 4.708 | 43 | 49031 | 9.371 | ug/l | 100 |
| 19) Cyclohexane | 5.386 | 56 | 44727 | 1.926 | ug/l | 88 |
| 20) Methylcyclohexane | 6.763 | 83 | 54419 | 1.891 | ug/l | 96 |
| 21) 2,2-Dichloropropane | 4.660 | 77 | 44846 | 1.766 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 35276 | 1.655 | ug/l | 97 |
| 23) Diethyl Ether | 2.374 | 59 | 24225 | 2.137 | ug/l | 93 |
| 24) tert-Butyl Alcohol | 3.354 | 59 | 1457 | 1.659 | ug/l # | 1 |
| 25) Methyl tert-Butyl Ether | 3.361 | 73 | 63000 | 1.977 | ug/l | 97 |
| 26) Bromochloromethane | 4.975 | 128 | 15295 | 1.983 | ug/l | 96 |
| 27) Chloroform | 5.084 | 83 | 64910 | 1.941 | ug/l | 95 |
| 28) 1,1,1-Trichloroethane | 5.312 | 97 | 54997 | 1.917 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.525 | 75 | 46269 | 1.946 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.521 | 117 | 47065 | 1.888 | ug/l | 98 |
| 31) Isopropyl Ether | 3.988 | 45 | 74579 | 1.805 | ug/l | 99 |
| 32) Ethyl-t-butyl ether | 4.499 | 59 | 74035 | 1.856 | ug/l | 95 |
| 33) Tert-Amyl methyl ether | 5.939 | 73 | 71510 | 2.037 | ug/l | 99 |
| 34) Propionitrile | 4.782 | 54 | 7678 | 8.164 | ug/l # | 13 |
| 35) Benzene | 5.772 | 78 | 138856 | 1.974 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.795 | 62 | 39164 | 1.989 | ug/l | 100 |
| 37) Trichloroethene | 6.541 | 130 | 39147 | 1.900 | ug/l | 99 |
| 38) 1,2-Dichloropropane | 6.788 | 63 | 36088 | 1.954 | ug/l | 100 |
| 39) Methacrylonitrile | 4.978 | 41 | 8310 | 2.216 | ug/l | 92 |
| 40) Methyl acrylate | 4.862 | 55 | 10200 | 1.688 | ug/l # | 92 |
| 41) Tetrahydrofuran | 5.062 | 42 | 8707 | 4.159 | ug/l | 97 |
| 42) 1-Chlorobutane | 5.457 | 56 | 60741 | 1.984 | ug/l | 99 |
| 43) Dibromomethane | 6.920 | 93 | 17808 | 2.037 | ug/l | 99 |
| 44) Bromodichloromethane | 7.103 | 83 | 42491 | 1.882 | ug/l | 99 |

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MSVOA_U
**ClientSampleId :**

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.791 | 43 | 88177 | 10.665 | ug/l | | 98 |
| 46) t-1,4-Dichloro-2-butene | 10.820 | 75 | 33031 | 10.665 | ug/l | # | 42 |
| 47) Methyl methacrylate | 6.965 | 69 | 28188 | 4.231 | ug/l | | 98 |
| 48) Ethyl methacrylate | 8.335 | 69 | 25752 | 1.994 | ug/l | | 100 |
| 49) Toluene | 7.968 | 92 | 81607 | 1.919 | ug/l | | 99 |
| 50) t-1,3-Dichloropropene | 8.213 | 75 | 36719 | 1.942 | ug/l | | 99 |
| 51) cis-1,3-Dichloropropene | 7.608 | 75 | 46289 | 1.947 | ug/l | | 96 |
| 52) 1,1,2-Trichloroethane | 8.402 | 97 | 25321 | 2.054 | ug/l | | 95 |
| 53) 1,3-Dichloropropane | 8.573 | 76 | 41800 | 2.002 | ug/l | | 99 |
| 54) 2-Hexanone | 8.685 | 43 | 77080 | 9.690 | ug/l | | 98 |
| 55) Dibromochloromethane | 8.807 | 129 | 27048 | 1.956 | ug/l | | 99 |
| 56) 1,2-Dibromoethane | 8.923 | 107 | 23334 | 2.085 | ug/l | | 98 |
| 58) Tetrachloroethene | 8.553 | 164 | 43588 | 1.964 | ug/l | | 99 |
| 59) Chlorobenzene | 9.447 | 112 | 97016 | 2.034 | ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.531 | 131 | 29900 | 1.894 | ug/l | | 100 |
| 61) Pentachloroethane | 11.421 | 117 | 13081 | 1.773 | ug/l | | 91 |
| 62) Hexachloroethane | 12.473 | 117 | 21066 | 1.763 | ug/l | | 92 |
| 63) Ethyl Benzene | 9.569 | 91 | 155511 | 1.937 | ug/l | | 97 |
| 64) m/p-Xylenes | 9.695 | 106 | 121418 | 3.904 | ug/l | | 94 |
| 65) o-Xylene | 10.100 | 106 | 58033 | 1.925 | ug/l | | 98 |
| 66) Styrene | 10.116 | 104 | 90675 | 1.929 | ug/l | | 98 |
| 67) Bromoform | 10.290 | 173 | 12897 | 1.850 | ug/l | | 98 |
| 69) Isopropylbenzene | 10.483 | 105 | 152744 | 1.938 | ug/l | | 98 |
| 70) 1,1,2,2-Tetrachloroethane | 10.782 | 83 | 25450 | 2.035 | ug/l | | 97 |
| 71) 1,2,3-Trichloropropane | 10.820 | 75 | 33031 | 2.957 | ug/l | # | 51 |
| 72) Bromobenzene | 10.782 | 156 | 35818 | 1.973 | ug/l | | 99 |
| 73) n-propylbenzene | 10.907 | 120 | 39639 | 1.856 | ug/l | | 100 |
| 74) 2-Chlorotoluene | 10.984 | 126 | 36766 | 1.920 | ug/l | | 99 |
| 75) 1,3,5-Trimethylbenzene | 11.087 | 105 | 131239 | 1.939 | ug/l | | 97 |
| 76) 4-Chlorotoluene | 11.097 | 126 | 39894 | 2.033 | ug/l | | 95 |
| 77) tert-Butylbenzene | 11.418 | 119 | 115672 | 1.932 | ug/l | | 96 |
| 78) 1,2,4-Trimethylbenzene | 11.466 | 105 | 129211 | 1.887 | ug/l | | 98 |
| 79) sec-Butylbenzene | 11.643 | 105 | 166551 | 1.914 | ug/l | | 99 |
| 80) Nitrobenzene | 13.222 | 77 | 2915 | 9.998 | ug/l | # | 83 |
| 81) p-Isopropyltoluene | 11.791 | 119 | 130668 | 1.864 | ug/l | | 98 |
| 82) 1,3-Dichlorobenzene | 11.746 | 146 | 75336 | 1.934 | ug/l | | 99 |
| 83) 1,4-Dichlorobenzene | 11.836 | 146 | 75755 | 1.988 | ug/l | | 98 |
| 84) n-Butylbenzene | 12.209 | 91 | 115763 | 1.826 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.212 | 146 | 71554 | 2.003 | ug/l | | 97 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.997 | 75 | 4004 | 1.952 | ug/l | | 93 |
| 87) 1,2,4-Trichlorobenzene | 13.843 | 180 | 38731 | 1.900 | ug/l | | 98 |
| 88) Hexachlorobutadiene | 14.019 | 225 | 24079 | 1.836 | ug/l | | 97 |
| 89) Naphthalene | 14.087 | 128 | 62279 | 2.154 | ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.331 | 180 | 33712 | 1.904 | ug/l | | 98 |

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

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