Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
Data File : VU060308.D
Acq On : 05 Aug 2024 12:07
Operator : MD/SY
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 05:33:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 05:30:37 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Fluorobenzene | 6.107 | 96 | 35436 | 1.000 | ug/l | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 57) 4-Bromofluorobenzene | 10.627 | 95 | 12863 | 1.065 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 107.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.190 | 152 | 13762 | 1.049 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 105.000% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 68978 | 5.061 | ug/l | 99 |
| 3) Chloromethane | 1.522 | 50 | 75704 | 4.858 | ug/l | 100 |
| 4) Vinyl Chloride | 1.602 | 62 | 78400 | 5.032 | ug/l | 99 |
| 5) Bromomethane | 1.856 | 94 | 47023 | 4.912 | ug/l | 97 |
| 6) Chloroethane | 1.930 | 64 | 46400 | 4.921 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.132 | 101 | 94640 | 5.035 | ug/l | 98 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 52051 | 5.090 | ug/l | 98 |
| 9) 1,1-Dichloroethene | 2.573 | 96 | 53430 | 5.043 | ug/l | 95 |
| 10) Iodomethane | 2.714 | 142 | 79052 | 5.097 | ug/l | 99 |
| 11) Allyl Chloride | 2.914 | 41 | 73160 | 5.037 | ug/l | 100 |
| 12) Acrylonitrile | 3.322 | 53 | 28523 | 10.305 | ug/l | 97 |
| 13) Acetone | 2.644 | 43 | 86702 | 27.864 | ug/l | 100 |
| 14) Carbon Disulfide | 2.785 | 76 | 178417 | 4.967 | ug/l | 100 |
| 15) Methylene Chloride | 3.036 | 84 | 62767 | 4.733 | ug/l | 97 |
| 16) trans-1,2-Dichloroethene | 3.341 | 96 | 56546 | 4.981 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.856 | 63 | 108976 | 4.993 | ug/l | 99 |
| 18) 2-Butanone | 4.727 | 43 | 107444 | 27.664 | ug/l | 98 |
| 19) Cyclohexane | 5.370 | 56 | 95294m | 5.065 | ug/l | |
| 20) Methylcyclohexane | 6.753 | 83 | 75389 | 5.049 | ug/l | 97 |
| 21) 2,2-Dichloropropane | 4.650 | 77 | 85352 | 5.022 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 4.653 | 96 | 61715 | 5.075 | ug/l | 100 |
| 23) Diethyl Ether | 2.374 | 59 | 43723 | 5.078 | ug/l | 99 |
| 24) tert-Butyl Alcohol | 3.248 | 59 | 56418m | 50.017 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.361 | 73 | 132641 | 5.100 | ug/l | 98 |
| 26) Bromochloromethane | 4.962 | 128 | 25707 | 4.992 | ug/l | 95 |
| 27) Chloroform | 5.078 | 83 | 106709 | 4.997 | ug/l | 97 |
| 28) 1,1,1-Trichloroethane | 5.300 | 97 | 90374 | 5.095 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.512 | 75 | 69403 | 4.883 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.508 | 117 | 72706 | 5.029 | ug/l | 97 |
| 31) Isopropyl Ether | 3.994 | 45 | 160465 | 5.030 | ug/l | 99 |
| 32) Ethyl-t-butyl ether | 4.505 | 59 | 156952 | 5.090 | ug/l | 99 |
| 33) Tert-Amyl methyl ether | 5.946 | 73 | 112021 | 5.118 | ug/l | 98 |
| 34) Propionitrile | 4.798 | 54 | 29358 | 26.860 | ug/l # | 95 |
| 35) Benzene | 5.763 | 78 | 222946 | 5.090 | ug/l | 97 |
| 36) 1,2-Dichloroethane | 5.788 | 62 | 61265 | 5.033 | ug/l | 99 |
| 37) Trichloroethene | 6.534 | 130 | 54130 | 4.992 | ug/l | 98 |
| 38) 1,2-Dichloropropane | 6.785 | 63 | 60543 | 5.110 | ug/l | 96 |
| 39) Methacrylonitrile | 4.978 | 41 | 20231 | 5.035 | ug/l | 98 |
| 40) Methyl acrylate | 4.853 | 55 | 34337 | 4.881 | ug/l | 99 |
| 41) Tetrahydrofuran | 5.071 | 42 | 21233 | 9.706 | ug/l | 99 |
| 42) 1-Chlorobutane | 5.444 | 56 | 98102 | 5.006 | ug/l | 99 |
| 43) Dibromomethane | 6.914 | 93 | 31050 | 5.180 | ug/l | 98 |
| 44) Bromodichloromethane | 7.100 | 83 | 73358 | 5.098 | ug/l | 99 |

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MSVOA_U
**ClientSampleId :**
VSTDICC005

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.798 | 43 | 154112 | 27.383 | ug/l | | 98 |
| 46) t-1,4-Dichloro-2-butene | 10.827 | 75 | 33509m | 10.877 | ug/l | | |
| 47) Methyl methacrylate | 6.965 | 69 | 54373 | 11.180 | ug/l | | 99 |
| 48) Ethyl methacrylate | 8.335 | 69 | 44967 | 5.445 | ug/l | | 100 |
| 49) Toluene | 7.962 | 92 | 130356 | 5.367 | ug/l | | 100 |
| 50) t-1,3-Dichloropropene | 8.206 | 75 | 63288 | 5.327 | ug/l | | 99 |
| 51) cis-1,3-Dichloropropene | 7.602 | 75 | 72897 | 5.101 | ug/l | | 98 |
| 52) 1,1,2-Trichloroethane | 8.396 | 97 | 44851 | 5.097 | ug/l | | 98 |
| 53) 1,3-Dichloropropane | 8.569 | 76 | 73834 | 5.259 | ug/l | | 99 |
| 54) 2-Hexanone | 8.688 | 43 | 126422 | 28.983 | ug/l | | 100 |
| 55) Dibromochloromethane | 8.804 | 129 | 49621 | 5.142 | ug/l | | 99 |
| 56) 1,2-Dibromoethane | 8.920 | 107 | 41071 | 5.205 | ug/l | | 97 |
| 58) Tetrachloroethene | 8.547 | 164 | 50455 | 5.207 | ug/l | | 98 |
| 59) Chlorobenzene | 9.441 | 112 | 136822 | 5.203 | ug/l | | 100 |
| 60) 1,1,1,2-Tetrachloroethane | 9.528 | 131 | 52227 | 5.041 | ug/l | | 99 |
| 61) Pentachloroethane | 11.421 | 117 | 45766 | 5.172 | ug/l | | 99 |
| 62) Hexachloroethane | 12.470 | 117 | 43529 | 5.089 | ug/l | | 99 |
| 63) Ethyl Benzene | 9.563 | 91 | 219140 | 4.810 | ug/l | | 99 |
| 64) m/p-Xylenes | 9.688 | 106 | 185126 | 9.590 | ug/l | | 98 |
| 65) o-Xylene | 10.094 | 106 | 86382 | 4.742 | ug/l | | 99 |
| 66) Styrene | 10.110 | 104 | 148699 | 4.768 | ug/l | | 99 |
| 67) Bromoform | 10.283 | 173 | 30150 | 5.334 | ug/l | | 97 |
| 69) Isopropylbenzene | 10.479 | 105 | 218019 | 4.664 | ug/l | | 99 |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 61173 | 5.225 | ug/l | | 98 |
| 71) 1,2,3-Trichloropropane | 10.820 | 75 | 46173m | 5.522 | ug/l | | |
| 72) Bromobenzene | 10.775 | 156 | 57982 | 5.370 | ug/l | | 99 |
| 73) n-propylbenzene | 10.901 | 120 | 63137 | 4.708 | ug/l | | 98 |
| 74) 2-Chlorotoluene | 10.981 | 126 | 59818 | 4.925 | ug/l | | 97 |
| 75) 1,3,5-Trimethylbenzene | 11.081 | 105 | 202033 | 4.816 | ug/l | | 100 |
| 76) 4-Chlorotoluene | 11.090 | 126 | 62800 | 4.936 | ug/l | | 97 |
| 77) tert-Butylbenzene | 11.415 | 119 | 185285 | 4.683 | ug/l | | 100 |
| 78) 1,2,4-Trimethylbenzene | 11.463 | 105 | 206663 | 4.756 | ug/l | | 100 |
| 79) sec-Butylbenzene | 11.637 | 105 | 258162 | 4.755 | ug/l | | 99 |
| 80) Nitrobenzene | 13.206 | 77 | 13542 | 25.808 | ug/l | # | 97 |
| 81) p-Isopropyltoluene | 11.788 | 119 | 208932 | 4.679 | ug/l | | 100 |
| 82) 1,3-Dichlorobenzene | 11.740 | 146 | 119912 | 5.323 | ug/l | | 99 |
| 83) 1,4-Dichlorobenzene | 11.830 | 146 | 122628 | 5.484 | ug/l | | 98 |
| 84) n-Butylbenzene | 12.203 | 91 | 200989 | 4.727 | ug/l | | 98 |
| 85) 1,2-Dichlorobenzene | 12.206 | 146 | 117512 | 5.393 | ug/l | | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75 | 9130 | 5.378 | ug/l | | 98 |
| 87) 1,2,4-Trichlorobenzene | 13.836 | 180 | 64022 | 5.137 | ug/l | | 99 |
| 88) Hexachlorobutadiene | 14.013 | 225 | 40838 | 5.068 | ug/l | | 99 |
| 89) Naphthalene | 14.081 | 128 | 111520 | 5.054 | ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.325 | 180 | 64884 | 5.333 | ug/l | | 98 |

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

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