Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051450.D
Acq On : 19 Oct 2022 11:18
Operator : JC/MD
Sample : VU1019WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 20 07:13:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:53:19 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU1019WBS01

**Manual Integrations APPROVED**

Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.115 | 96 | 51769 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.632 | 95 | 17493 | 0.963 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 96.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 20951 | 1.033 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 103.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 36969 | 2.045 | ug/l | 97 |
| 3) Chloromethane | 1.533 | 50 | 48152 | 1.690 | ug/l | 98 |
| 4) Vinyl Chloride | 1.604 | 62 | 46952 | 1.904 | ug/l | 98 |
| 5) Bromomethane | 1.854 | 94 | 29997 | 2.182 | ug/l | 98 |
| 6) Chloroethane | 1.932 | 64 | 29674 | 2.111 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.137 | 101 | 55011 | 1.997 | ug/l | 99 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581 | 101 | 32800 | 2.158 | ug/l | 99 |
| 9) 1,1-Dichloroethene | 2.581 | 96 | 31404 | 1.977 | ug/l | 95 |
| 10) Iodomethane | 2.723 | 142 | 38641 | 1.877 | ug/l | 99 |
| 11) Allyl Chloride | 2.922 | 41 | 45752 | 1.888 | ug/l | 97 |
| 12) Acrylonitrile | 3.317 | 53 | 19838 | 4.243 | ug/l | 96 |
| 13) Acetone | 2.629 | 43 | 36326 | 10.791 | ug/l | 100 |
| 14) Carbon Disulfide | 2.793 | 76 | 110070 | 1.944 | ug/l | 98 |
| 15) Methylene Chloride | 3.044 | 84 | 46176 | 2.086 | ug/l | 92 |
| 16) trans-1,2-Dichloroethene | 3.350 | 96 | 34426 | 1.890 | ug/l | 99 |
| 17) 1,1-Dichloroethane | 3.867 | 63 | 61760 | 1.886 | ug/l | 99 |
| 18) 2-Butanone | 4.716 | 43 | 40787 | 9.985 | ug/l | 100 |
| 19) Cyclohexane | 5.385 | 56 | 37278m | 1.836 | ug/l | |
| 20) Methylcyclohexane | 6.761 | 83 | 36478 | 1.981 | ug/l | 93 |
| 21) 2,2-Dichloropropane | 4.661 | 77 | 44405 | 1.942 | ug/l | 98 |
| 22) cis-1,2-Dichloroethene | 4.668 | 96 | 32731 | 1.899 | ug/l | 99 |
| 23) Diethyl Ether | 2.378 | 59 | 27558 | 1.987 | ug/l | 97 |
| 24) tert-Butyl Alcohol | 3.202 | 59 | 25210 | 17.329 | ug/l | 100 |
| 25) Methyl tert-Butyl Ether | 3.366 | 73 | 82917 | 2.007 | ug/l | 96 |
| 26) Bromochloromethane | 4.976 | 128 | 16692 | 1.987 | ug/l | 98 |
| 27) Chloroform | 5.089 | 83 | 63019 | 1.900 | ug/l | 97 |
| 28) 1,1,1-Trichloroethane | 5.314 | 97 | 50166 | 1.895 | ug/l | 99 |
| 29) 1,1-Dichloropropene | 5.523 | 75 | 37359 | 1.842 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.520 | 117 | 44243 | 1.980 | ug/l | 93 |
| 31) Isopropyl Ether | 3.996 | 45 | 70292 | 1.814 | ug/l | 89 |
| 32) Ethyl-t-butyl ether | 4.507 | 59 | 64650 | 1.827 | ug/l | 100 |
| 33) Tert-Amyl methyl ether | 5.944 | 73 | 54579 | 1.756 | ug/l | 97 |
| 34) Propionitrile | 4.787 | 54 | 13582 | 9.890 | ug/l # | 94 |
| 35) Benzene | 5.774 | 78 | 126403 | 1.857 | ug/l | 97 |
| 36) 1,2-Dichloroethane | 5.796 | 62 | 41559 | 1.979 | ug/l | 100 |
| 37) Trichloroethene | 6.542 | 130 | 30244 | 1.893 | ug/l | 98 |
| 38) 1,2-Dichloropropane | 6.790 | 63 | 34905 | 1.870 | ug/l | 97 |
| 39) Methacrylonitrile | 4.980 | 41 | 8913 | 1.899 | ug/l | 98 |
| 40) Methyl acrylate | 4.857 | 55 | 15782m | 2.109 | ug/l | |
| 41) Tetrahydrofuran | 5.066 | 42 | 9093 | 3.689 | ug/l | 97 |
| 42) 1-Chlorobutane | 5.456 | 56 | 50842 | 1.837 | ug/l | 95 |
| 43) Dibromomethane | 6.918 | 93 | 20095 | 2.074 | ug/l | 98 |
| 44) Bromodichloromethane | 7.105 | 83 | 46281 | 1.974 | ug/l | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.793 | 43 | 84495 | 9.161 | ug/l | 94 |
| 46) t-1,4-Dichloro-2-butene | 10.828 | 75 | 20654m | 4.012 | ug/l | |
| 47) Methyl methacrylate | 6.964 | 69 | 26096 | 3.719 | ug/l | 98 |
| 48) Ethyl methacrylate | 8.333 | 69 | 21584 | 1.872 | ug/l | 94 |
| 49) Toluene | 7.970 | 92 | 65006 | 1.742 | ug/l | 96 |
| 50) t-1,3-Dichloropropene | 8.211 | 75 | 35346 | 1.874 | ug/l | 98 |
| 51) cis-1,3-Dichloropropene | 7.607 | 75 | 39714 | 1.786 | ug/l | 99 |
| 52) 1,1,2-Trichloroethane | 8.401 | 97 | 28856 | 2.086 | ug/l | 98 |
| 53) 1,3-Dichloropropane | 8.574 | 76 | 43416 | 1.947 | ug/l | 99 |
| 54) 2-Hexanone | 8.687 | 43 | 58600 | 9.613 | ug/l | 96 |
| 55) Dibromochloromethane | 8.809 | 129 | 31024 | 2.062 | ug/l | 95 |
| 56) 1,2-Dibromoethane | 8.925 | 107 | 23595 | 1.940 | ug/l | 99 |
| 58) Tetrachloroethene | 8.552 | 164 | 26715 | 1.919 | ug/l | 100 |
| 59) Chlorobenzene | 9.446 | 112 | 74132 | 1.809 | ug/l | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.533 | 131 | 30706 | 1.956 | ug/l | 99 |
| 61) Pentachloroethane | 11.426 | 117 | 27036 | 1.933 | ug/l | 96 |
| 62) Hexachloroethane | 12.475 | 117 | 24860 | 1.871 | ug/l | 99 |
| 63) Ethyl Benzene | 9.568 | 91 | 100535 | 1.805 | ug/l | 98 |
| 64) m/p-Xylenes | 9.693 | 106 | 79911 | 3.466 | ug/l | 99 |
| 65) o-Xylene | 10.098 | 106 | 40120 | 1.784 | ug/l | 97 |
| 66) Styrene | 10.115 | 104 | 64149 | 1.740 | ug/l | 99 |
| 67) Bromoform | 10.291 | 173 | 17528 | 2.076 | ug/l | 97 |
| 69) Isopropylbenzene | 10.484 | 105 | 100631 | 1.840 | ug/l | 99 |
| 70) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 35980 | 1.923 | ug/l | 99 |
| 71) 1,2,3-Trichloropropane | 10.825 | 75 | 29884m | 2.150 | ug/l | |
| 72) Bromobenzene | 10.780 | 156 | 29782 | 1.828 | ug/l | 98 |
| 73) n-propylbenzene | 10.905 | 120 | 27342 | 1.783 | ug/l | 97 |
| 74) 2-Chlorotoluene | 10.986 | 126 | 28506 | 1.797 | ug/l | 92 |
| 75) 1,3,5-Trimethylbenzene | 11.086 | 105 | 89103 | 1.760 | ug/l | 100 |
| 76) 4-Chlorotoluene | 11.095 | 126 | 28727 | 1.808 | ug/l | 89 |
| 77) tert-Butylbenzene | 11.420 | 119 | 90119 | 1.716 | ug/l | 97 |
| 78) 1,2,4-Trimethylbenzene | 11.468 | 105 | 90947 | 1.747 | ug/l | 99 |
| 79) sec-Butylbenzene | 11.642 | 105 | 117857 | 1.803 | ug/l | 100 |
| 80) Nitrobenzene | 13.211 | 77 | 6978m | 7.532 | ug/l | |
| 81) p-Isopropyltoluene | 11.793 | 119 | 92018 | 1.786 | ug/l | 98 |
| 82) 1,3-Dichlorobenzene | 11.745 | 146 | 66322 | 1.895 | ug/l | 98 |
| 83) 1,4-Dichlorobenzene | 11.835 | 146 | 64244 | 1.875 | ug/l | 100 |
| 84) n-Butylbenzene | 12.208 | 91 | 87688 | 1.781 | ug/l | 97 |
| 85) 1,2-Dichlorobenzene | 12.211 | 146 | 62821 | 1.822 | ug/l | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.995 | 75 | 5632 | 1.925 | ug/l | 96 |
| 87) 1,2,4-Trichlorobenzene | 13.841 | 180 | 29254 | 1.566 | ug/l | 99 |
| 88) Hexachlorobutadiene | 14.018 | 225 | 23107 | 1.897 | ug/l | 97 |
| 89) Naphthalene | 14.085 | 128 | 49982 | 1.279 | ug/l | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.330 | 180 | 30476 | 1.491 | ug/l | 99 |

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

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