Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045301.D
Acq On : 13 Oct 2021 10:41
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDICC002

**Manual Integrations APPROVED**
apatel
10/14/2021 2:37:06 PM

Quant Time: Oct 14 05:05:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:02:20 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.118 | 96 | 41984 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.636 | 95 | 15187 | 0.964 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 96.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 14426 | 0.810 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 81.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 28377 | 1.737 | ug/l | 100 |
| 3) Chloromethane | 1.520 | 50 | 30022 | 1.625 | ug/l | 100 |
| 4) Vinyl Chloride | 1.604 | 62 | 30826 | 1.474 | ug/l | 97 |
| 5) Bromomethane | 1.858 | 94 | 16526 | 1.025 | ug/l | 100 |
| 6) Chloroethane | 1.935 | 64 | 19781 | 1.282 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.141 | 101 | 35591 | 1.104 | ug/l | 98 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581 | 101 | 20945 | 1.072 | ug/l | 99 |
| 9) 1,1-Dichloroethene | 2.581 | 96 | 19644 | 1.088 | ug/l | 97 |
| 10) Iodomethane | 2.726 | 142 | 19858 | 0.944 | ug/l | 99 |
| 11) Allyl Chloride | 2.929 | 41 | 28510 | 1.340 | ug/l | 99 |
| 12) Acrylonitrile | 3.334 | 53 | 9938m | 2.930 | ug/l | |
| 13) Acetone | 2.646 | 43 | 31320m | 13.576 | ug/l | |
| 14) Carbon Disulfide | 2.797 | 76 | 58488 | 1.113 | ug/l | 100 |
| 15) Methylene Chloride | 3.051 | 84 | 22754 | 0.788 | ug/l | 99 |
| 16) trans-1,2-Dichloroethene | 3.359 | 96 | 20455 | 1.050 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.874 | 63 | 39242 | 1.182 | ug/l | 99 |
| 18) 2-Butanone | 4.723 | 43 | 39622m | 10.054 | ug/l | |
| 19) Cyclohexane | 5.391 | 56 | 35313m | 1.176 | ug/l | |
| 20) Methylcyclohexane | 6.768 | 83 | 35220 | 1.872 | ug/l | 98 |
| 21) 2,2-Dichloropropane | 4.671 | 77 | 32992 | 1.086 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 23154 | 1.044 | ug/l | 100 |
| 23) Diethyl Ether | 2.382 | 59 | 18034 | 1.367 | ug/l | 98 |
| 24) tert-Butyl Alcohol | 3.224 | 59 | 12770m | 17.914 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.372 | 73 | 53110 | 1.173 | ug/l | 97 |
| 26) Bromochloromethane | 4.980 | 128 | 10169 | 0.981 | ug/l | 95 |
| 27) Chloroform | 5.096 | 83 | 39302 | 1.025 | ug/l | 96 |
| 28) 1,1,1-Trichloroethane | 5.321 | 97 | 32317 | 0.992 | ug/l | 99 |
| 29) 1,1-Dichloropropene | 5.530 | 75 | 29733 | 1.878 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.530 | 117 | 25146 | 1.654 | ug/l | 99 |
| 31) Isopropyl Ether | 4.002 | 45 | 60658 | 1.276 | ug/l | 99 |
| 32) Ethyl-t-butyl ether | 4.510 | 59 | 60237 | 1.163 | ug/l | 99 |
| 33) Tert-Amyl methyl ether | 5.948 | 73 | 54265 | 1.985 | ug/l | 99 |
| 34) Propionitrile | 4.803 | 54 | 9865m | 9.329 | ug/l | |
| 35) Benzene | 5.780 | 78 | 86895 | 1.921 | ug/l | 99 |
| 36) 1,2-Dichloroethane | 5.800 | 62 | 28285 | 1.926 | ug/l | 100 |
| 37) Trichloroethene | 6.546 | 130 | 20974 | 1.648 | ug/l | 100 |
| 38) 1,2-Dichloropropane | 6.797 | 63 | 22195 | 1.942 | ug/l | 98 |
| 39) Methacrylonitrile | 4.986 | 41 | 7189 | 1.272 | ug/l | 98 |
| 40) Methyl acrylate | 4.854 | 55 | 12155 | 1.295 | ug/l | 97 |
| 41) Tetrahydrofuran | 5.073 | 42 | 8410m | 2.915 | ug/l | |
| 42) 1-Chlorobutane | 5.465 | 56 | 42581 | 2.056 | ug/l | 96 |
| 43) Dibromomethane | 6.922 | 93 | 11290 | 1.665 | ug/l | 100 |
| 44) Bromodichloromethane | 7.112 | 83 | 27658 | 1.754 | ug/l | 98 |

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**Instrument :**
MSVOA_U
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VSTDICC002

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.800 | 43 | 76410 | 10.534 | ug/l | | 98 |
| 46) t-1,4-Dichloro-2-butene | 10.838 | 75 | 9896m | 3.321 | ug/l | | |
| 47) Methyl methacrylate | 6.967 | 69 | 22533 | 3.859 | ug/l | | 99 |
| 48) Ethyl methacrylate | 8.340 | 69 | 21820 | 1.861 | ug/l | | 99 |
| 49) Toluene | 7.973 | 92 | 52872 | 1.804 | ug/l | | 100 |
| 50) t-1,3-Dichloropropene | 8.214 | 75 | 26348 | 1.879 | ug/l | | 99 |
| 51) cis-1,3-Dichloropropene | 7.613 | 75 | 31507 | 1.962 | ug/l | | 98 |
| 52) 1,1,2-Trichloroethane | 8.404 | 97 | 16540 | 1.722 | ug/l | | 96 |
| 53) 1,3-Dichloropropane | 8.581 | 76 | 29871 | 1.787 | ug/l | | 100 |
| 54) 2-Hexanone | 8.694 | 43 | 58830 | 11.242 | ug/l | | 99 |
| 55) Dibromochloromethane | 8.816 | 129 | 16360 | 1.520 | ug/l | | 98 |
| 56) 1,2-Dibromoethane | 8.928 | 107 | 15283 | 1.631 | ug/l | | 99 |
| 58) Tetrachloroethene | 8.559 | 164 | 18630 | 1.574 | ug/l | | 96 |
| 59) Chlorobenzene | 9.449 | 112 | 54965 | 1.676 | ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.539 | 131 | 18024 | 1.550 | ug/l | | 100 |
| 61) Pentachloroethane | 11.430 | 117 | 13315 | 1.466 | ug/l | | 97 |
| 62) Hexachloroethane | 12.478 | 117 | 13055 | 1.426 | ug/l | | 96 |
| 63) Ethyl Benzene | 9.575 | 91 | 97200 | 1.775 | ug/l | | 99 |
| 64) m/p-Xylenes | 9.697 | 106 | 74286 | 3.421 | ug/l | | 100 |
| 65) o-Xylene | 10.105 | 106 | 35896 | 1.706 | ug/l | | 100 |
| 66) Styrene | 10.118 | 104 | 58744 | 1.663 | ug/l | | 99 |
| 67) Bromoform | 10.295 | 173 | 8603 | 1.437 | ug/l | # | 99 |
| 69) Isopropylbenzene | 10.488 | 105 | 94353 | 1.715 | ug/l | | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.787 | 83 | 20508 | 1.593 | ug/l | | 100 |
| 71) 1,2,3-Trichloropropane | 10.829 | 75 | 17272m | 1.851 | ug/l | | |
| 72) Bromobenzene | 10.787 | 156 | 20993 | 1.516 | ug/l | | 99 |
| 73) n-propylbenzene | 10.909 | 120 | 24679 | 1.628 | ug/l | | 100 |
| 74) 2-Chlorotoluene | 10.989 | 126 | 22017 | 1.621 | ug/l | | 97 |
| 75) 1,3,5-Trimethylbenzene | 11.092 | 105 | 78864 | 1.671 | ug/l | | 99 |
| 76) 4-Chlorotoluene | 11.102 | 126 | 22192 | 1.552 | ug/l | | 99 |
| 77) tert-Butylbenzene | 11.423 | 119 | 76399 | 1.629 | ug/l | | 99 |
| 78) 1,2,4-Trimethylbenzene | 11.472 | 105 | 80350 | 1.666 | ug/l | | 100 |
| 79) sec-Butylbenzene | 11.648 | 105 | 107587 | 1.689 | ug/l | | 99 |
| 80) Nitrobenzene | 13.211 | 77 | 2693 | 8.915 | ug/l | # | 93 |
| 81) p-Isopropyltoluene | 11.796 | 119 | 85421 | 1.646 | ug/l | | 100 |
| 82) 1,3-Dichlorobenzene | 11.748 | 146 | 41095 | 1.486 | ug/l | | 98 |
| 83) 1,4-Dichlorobenzene | 11.841 | 146 | 41543 | 1.499 | ug/l | | 100 |
| 84) n-Butylbenzene | 12.214 | 91 | 78766 | 1.593 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.214 | 146 | 39805 | 1.446 | ug/l | | 98 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.002 | 75 | 3296 | 1.735 | ug/l | | 96 |
| 87) 1,2,4-Trichlorobenzene | 13.844 | 180 | 23900 | 1.393 | ug/l | | 98 |
| 88) Hexachlorobutadiene | 14.025 | 225 | 11406 | 1.210 | ug/l | | 99 |
| 89) Naphthalene | 14.089 | 128 | 45973 | 1.380 | ug/l | | 98 |
| 90) 1,2,3-Trichlorobenzene | 14.333 | 180 | 21525 | 1.298 | ug/l | | 96 |

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

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