Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
Data File : VU052773.D
Acq On : 23 Jan 2023 12:22
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 04:34:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 04:32:09 2023
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Krupa Patel 01/24/2023
Supervised By :Mahesh Dadoda 01/24/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.112 | 96 | 41308 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.629 | 95 | 13418 | 0.909 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 91.000% | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.189 | 152 | 14177 | 0.809 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 81.000% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 28135 | 1.919 | ug/l | 98 |
| 3) Chloromethane | 1.520 | 50 | 26795 | 1.679 | ug/l | 97 |
| 4) Vinyl Chloride | 1.604 | 62 | 25761 | 1.796 | ug/l | 100 |
| 5) Bromomethane | 1.858 | 94 | 12361 | 1.402 | ug/l | 94 |
| 6) Chloroethane | 1.935 | 64 | 14694 | 1.665 | ug/l | 100 |
| 7) Trichlorofluoromethane | 2.137 | 101 | 37012 | 1.909 | ug/l | 99 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581 | 101 | 20711 | 1.870 | ug/l | 98 |
| 9) 1,1-Dichloroethene | 2.578 | 96 | 18960 | 1.729 | ug/l | 98 |
| 10) Iodomethane | 2.723 | 142 | 18734 | 2.253 | ug/l | 96 |
| 11) Allyl Chloride | 2.922 | 41 | 22904 | 1.547 | ug/l | 97 |
| 12) Acrylonitrile | 3.317 | 53 | 8120 | 2.985 | ug/l | 97 |
| 13) Acetone | 2.639 | 43 | 24417 | 10.418 | ug/l | 94 |
| 14) Carbon Disulfide | 2.790 | 76 | 63655 | 1.817 | ug/l | 96 |
| 15) Methylene Chloride | 3.041 | 84 | 21970 | 1.263 | ug/l | 94 |
| 16) trans-1,2-Dichloroethene | 3.350 | 96 | 20999 | 1.742 | ug/l | 97 |
| 17) 1,1-Dichloroethane | 3.864 | 63 | 35949 | 1.813 | ug/l | 96 |
| 18) 2-Butanone | 4.716 | 43 | 29557 | 9.783 | ug/l | 92 |
| 19) Cyclohexane | 5.378 | 56 | 31424m | 2.072 | ug/l | |
| 20) Methylcyclohexane | 6.758 | 83 | 34230 | 1.998 | ug/l | 96 |
| 21) 2,2-Dichloropropane | 4.658 | 77 | 32504 | 1.974 | ug/l | 98 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 22137 | 1.795 | ug/l | 99 |
| 23) Diethyl Ether | 2.375 | 59 | 13482 | 1.655 | ug/l | 97 |
| 24) tert-Butyl Alcohol | 3.237 | 59 | 16817m | 18.996 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.363 | 73 | 43788 | 1.623 | ug/l | 98 |
| 26) Bromochloromethane | 4.973 | 128 | 10838 | 1.780 | ug/l | 91 |
| 27) Chloroform | 5.086 | 83 | 38562 | 1.832 | ug/l | 96 |
| 28) 1,1,1-Trichloroethane | 5.311 | 97 | 35245 | 1.952 | ug/l | 96 |
| 29) 1,1-Dichloropropene | 5.520 | 75 | 30895 | 2.034 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.520 | 117 | 31862 | 2.007 | ug/l | 97 |
| 31) Isopropyl Ether | 3.993 | 45 | 49926 | 1.822 | ug/l | 96 |
| 32) Ethyl-t-butyl ether | 4.504 | 59 | 48210 | 1.820 | ug/l | 99 |
| 33) Tert-Amyl methyl ether | 5.944 | 73 | 42743 | 1.792 | ug/l | 99 |
| 34) Propionitrile | 4.793 | 54 | 7612 | 8.184 | ug/l # | 8 |
| 35) Benzene | 5.768 | 78 | 87141 | 1.918 | ug/l | 99 |
| 36) 1,2-Dichloroethane | 5.793 | 62 | 26746 | 1.996 | ug/l | 99 |
| 37) Trichloroethene | 6.539 | 130 | 23620 | 1.805 | ug/l | 93 |
| 38) 1,2-Dichloropropane | 6.790 | 63 | 22049 | 1.909 | ug/l | 100 |
| 39) Methacrylonitrile | 4.980 | 41 | 5983 | 1.793 | ug/l | 97 |
| 40) Methyl acrylate | 4.848 | 55 | 10204 | 1.842 | ug/l | 97 |
| 41) Tetrahydrofuran | 5.070 | 42 | 5889 | 3.167 | ug/l | 93 |
| 42) 1-Chlorobutane | 5.452 | 56 | 38496 | 1.975 | ug/l | 97 |
| 43) Dibromomethane | 6.915 | 93 | 10989 | 1.690 | ug/l | 99 |
| 44) Bromodichloromethane | 7.105 | 83 | 29369 | 1.910 | ug/l | 95 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 45) | 4-Methyl-2-Pentanone | 7.796 | 43 | 55314 | 8.236 | ug/l | | 99 |
| 46) | t-1,4-Dichloro-2-butene | 10.825 | 75 | 12245m | 3.830 | ug/l | | |
| 47) | Methyl methacrylate | 6.964 | 69 | 18717 | 3.519 | ug/l | | 95 |
| 48) | Ethyl methacrylate | 8.333 | 69 | 17003 | 1.739 | ug/l | | 95 |
| 49) | Toluene | 7.967 | 92 | 51798 | 1.881 | ug/l | | 99 |
| 50) | t-1,3-Dichloropropene | 8.208 | 75 | 25849 | 1.900 | ug/l | | 98 |
| 51) | cis-1,3-Dichloropropene | 7.604 | 75 | 30498 | 1.946 | ug/l | | 99 |
| 52) | 1,1,2-Trichloroethane | 8.398 | 97 | 15743 | 1.707 | ug/l | | 94 |
| 53) | 1,3-Dichloropropane | 8.575 | 76 | 26912 | 1.762 | ug/l | | 98 |
| 54) | 2-Hexanone | 8.687 | 43 | 46018 | 9.237 | ug/l | | 98 |
| 55) | Dibromochloromethane | 8.806 | 129 | 20148 | 1.813 | ug/l | | 95 |
| 56) | 1,2-Dibromoethane | 8.922 | 107 | 14253 | 1.624 | ug/l | | 96 |
| 58) | Tetrachloroethene | 8.549 | 164 | 21087 | 1.801 | ug/l | | 97 |
| 59) | Chlorobenzene | 9.443 | 112 | 56829 | 1.766 | ug/l | | 99 |
| 60) | 1,1,1,2-Tetrachloroethane | 9.529 | 131 | 21910 | 1.904 | ug/l | | 99 |
| 61) | Pentachloroethane | 11.423 | 117 | 18088 | 1.883 | ug/l | | 97 |
| 62) | Hexachloroethane | 12.471 | 117 | 18356 | 2.059 | ug/l | | 98 |
| 63) | Ethyl Benzene | 9.568 | 91 | 89748 | 1.797 | ug/l | | 98 |
| 64) | m/p-Xylenes | 9.690 | 106 | 69651 | 3.495 | ug/l | | 96 |
| 65) | o-Xylene | 10.099 | 106 | 35094 | 1.841 | ug/l | | 94 |
| 66) | Styrene | 10.111 | 104 | 54374 | 1.705 | ug/l | | 98 |
| 67) | Bromoform | 10.288 | 173 | 12403 | 1.787 | ug/l | | 96 |
| 69) | Isopropylbenzene | 10.481 | 105 | 86748 | 1.749 | ug/l | | 99 |
| 70) | 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 19073 | 1.609 | ug/l | | 100 |
| 71) | 1,2,3-Trichloropropane | 10.825 | 75 | 16279m | 1.746 | ug/l | | |
| 72) | Bromobenzene | 10.780 | 156 | 23061 | 1.587 | ug/l | | 97 |
| 73) | n-propylbenzene | 10.902 | 120 | 23684 | 1.681 | ug/l | | 95 |
| 74) | 2-Chlorotoluene | 10.983 | 126 | 21730 | 1.638 | ug/l | | 94 |
| 75) | 1,3,5-Trimethylbenzene | 11.086 | 105 | 73873 | 1.751 | ug/l | | 98 |
| 76) | 4-Chlorotoluene | 11.092 | 126 | 23144 | 1.658 | ug/l | | 97 |
| 77) | tert-Butylbenzene | 11.417 | 119 | 76490 | 1.788 | ug/l | | 99 |
| 78) | 1,2,4-Trimethylbenzene | 11.465 | 105 | 74098 | 1.717 | ug/l | | 98 |
| 79) | sec-Butylbenzene | 11.639 | 105 | 98873 | 1.768 | ug/l | | 99 |
| 80) | Nitrobenzene | 13.205 | 77 | 5500 | 11.297 | ug/l | # | 91 |
| 81) | p-Isopropyltoluene | 11.790 | 119 | 82314 | 1.759 | ug/l | | 99 |
| 82) | 1,3-Dichlorobenzene | 11.742 | 146 | 46709 | 1.592 | ug/l | | 98 |
| 83) | 1,4-Dichlorobenzene | 11.832 | 146 | 45573 | 1.548 | ug/l | | 97 |
| 84) | n-Butylbenzene | 12.205 | 91 | 68474 | 1.553 | ug/l | | 99 |
| 85) | 1,2-Dichlorobenzene | 12.208 | 146 | 44637 | 1.603 | ug/l | | 99 |
| 86) | 1,2-Dibromo-3-Chloropr... | 12.989 | 75 | 3557 | 1.852 | ug/l | | 97 |
| 87) | 1,2,4-Trichlorobenzene | 13.835 | 180 | 24454 | 1.241 | ug/l | | 96 |
| 88) | Hexachlorobutadiene | 14.018 | 225 | 18263 | 1.538 | ug/l | | 98 |
| 89) | Naphthalene | 14.082 | 128 | 46960 | 1.516 | ug/l | | 99 |
| 90) | 1,2,3-Trichlorobenzene | 14.327 | 180 | 23067 | 1.258 | ug/l | | 97 |

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

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