Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
Data File : VU059145.D
Acq On : 05 Jun 2024 09:57
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 02:36:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 06 02:35:41 2024
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 06/10/2024
Supervised By :Semsettin Yesilyurt 06/10/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.110 | 96 | 37357 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.630 | 95 | 12576 | 0.989 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 99.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.190 | 152 | 14408 | 1.083 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 108.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.377 | 85 | 24647 | 2.106 | ug/l | 96 |
| 3) Chloromethane | 1.512 | 50 | 28858 | 2.048 | ug/l | 98 |
| 4) Vinyl Chloride | 1.599 | 62 | 28856 | 2.027 | ug/l | 96 |
| 5) Bromomethane | 1.849 | 94 | 17724 | 2.049 | ug/l | 94 |
| 6) Chloroethane | 1.927 | 64 | 17686 | 1.931 | ug/l | 92 |
| 7) Trichlorofluoromethane | 2.132 | 101 | 33027 | 1.869 | ug/l | 100 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 18662 | 2.055 | ug/l | 96 |
| 9) 1,1-Dichloroethene | 2.570 | 96 | 18007 | 2.001 | ug/l | 99 |
| 10) Iodomethane | 2.714 | 142 | 23827 | 2.111 | ug/l | 99 |
| 11) Allyl Chloride | 2.914 | 41 | 23976 | 1.972 | ug/l | 100 |
| 12) Acrylonitrile | 3.329 | 53 | 8558 | 4.210 | ug/l # | 77 |
| 13) Acetone | 2.637 | 43 | 26985 | 8.677 | ug/l | 96 |
| 14) Carbon Disulfide | 2.785 | 76 | 58352 | 2.035 | ug/l | 99 |
| 15) Methylene Chloride | 3.036 | 84 | 24607 | 1.995 | ug/l | 93 |
| 16) trans-1,2-Dichloroethene | 3.345 | 96 | 19515 | 1.988 | ug/l | 100 |
| 17) 1,1-Dichloroethane | 3.859 | 63 | 42358 | 2.060 | ug/l | 99 |
| 18) 2-Butanone | 4.718 | 43 | 30608 | 8.915 | ug/l | 99 |
| 19) Cyclohexane | 5.380 | 56 | 28007m | 1.882 | ug/l | |
| 20) Methylcyclohexane | 6.756 | 83 | 27115 | 1.813 | ug/l | 94 |
| 21) 2,2-Dichloropropane | 4.653 | 77 | 29800 | 1.960 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.660 | 96 | 20970 | 1.965 | ug/l | 99 |
| 23) Diethyl Ether | 2.370 | 59 | 15977 | 1.894 | ug/l | 96 |
| 24) tert-Butyl Alcohol | 3.200 | 59 | 11196m | 19.852 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.354 | 73 | 41748 | 1.935 | ug/l | 100 |
| 26) Bromochloromethane | 4.968 | 128 | 9780 | 2.170 | ug/l | 94 |
| 27) Chloroform | 5.078 | 83 | 41768 | 2.021 | ug/l | 99 |
| 28) 1,1,1-Trichloroethane | 5.306 | 97 | 32281 | 1.981 | ug/l | 97 |
| 29) 1,1-Dichloropropene | 5.521 | 75 | 26649 | 1.952 | ug/l | 96 |
| 30) Carbon Tetrachloride | 5.515 | 117 | 26955 | 2.017 | ug/l | 98 |
| 31) Isopropyl Ether | 3.981 | 45 | 50353 | 1.867 | ug/l | 91 |
| 32) Ethyl-t-butyl ether | 4.489 | 59 | 46942 | 1.871 | ug/l | 98 |
| 33) Tert-Amyl methyl ether | 5.930 | 73 | 41791 | 1.887 | ug/l | 100 |
| 34) Propionitrile | 4.795 | 54 | 8538m | 10.964 | ug/l | |
| 35) Benzene | 5.766 | 78 | 86687 | 2.019 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.788 | 62 | 26253 | 2.061 | ug/l | 99 |
| 37) Trichloroethene | 6.537 | 130 | 20543 | 2.003 | ug/l | 96 |
| 38) 1,2-Dichloropropane | 6.785 | 63 | 24474 | 2.007 | ug/l | 97 |
| 39) Methacrylonitrile | 4.981 | 41 | 5676 | 1.936 | ug/l # | 76 |
| 40) Methyl acrylate | 4.862 | 55 | 9215m | 1.797 | ug/l | |
| 41) Tetrahydrofuran | 5.065 | 42 | 6389m | 4.047 | ug/l | |
| 42) 1-Chlorobutane | 5.451 | 56 | 36755 | 1.948 | ug/l | 97 |
| 43) Dibromomethane | 6.914 | 93 | 11232 | 2.034 | ug/l | 97 |
| 44) Bromodichloromethane | 7.100 | 83 | 29518 | 2.063 | ug/l | 97 |

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 06 02:35:41 2024
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**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDICC002

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 06/10/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.785 | 43 | 56660 | 9.572 | ug/l | 95 |
| 46) t-1,4-Dichloro-2-butene | 10.827 | 75 | 10845m | 4.263 | ug/l | |
| 47) Methyl methacrylate | 6.959 | 69 | 18302 | 3.860 | ug/l | 98 |
| 48) Ethyl methacrylate | 8.332 | 69 | 15163 | 1.810 | ug/l | 98 |
| 49) Toluene | 7.965 | 92 | 45163 | 1.910 | ug/l | 98 |
| 50) t-1,3-Dichloropropene | 8.206 | 75 | 23520 | 1.921 | ug/l | 99 |
| 51) cis-1,3-Dichloropropene | 7.602 | 75 | 29763 | 1.985 | ug/l | 98 |
| 52) 1,1,2-Trichloroethane | 8.393 | 97 | 17110 | 2.097 | ug/l | 92 |
| 53) 1,3-Dichloropropane | 8.569 | 76 | 27576 | 1.962 | ug/l | 97 |
| 54) 2-Hexanone | 8.682 | 43 | 39867 | 9.002 | ug/l | 97 |
| 55) Dibromochloromethane | 8.804 | 129 | 17673 | 2.001 | ug/l | 99 |
| 56) 1,2-Dibromoethane | 8.920 | 107 | 14135 | 1.975 | ug/l | 98 |
| 58) Tetrachloroethene | 8.547 | 164 | 19167 | 2.027 | ug/l | 94 |
| 59) Chlorobenzene | 9.441 | 112 | 51843 | 2.003 | ug/l | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.528 | 131 | 18382 | 1.983 | ug/l | 99 |
| 61) Pentachloroethane | 11.418 | 117 | 14426 | 2.006 | ug/l | 93 |
| 62) Hexachloroethane | 12.466 | 117 | 14019 | 1.918 | ug/l | 96 |
| 63) Ethyl Benzene | 9.566 | 91 | 80661 | 1.840 | ug/l | 100 |
| 64) m/p-Xylenes | 9.688 | 106 | 59965 | 3.639 | ug/l | 98 |
| 65) o-Xylene | 10.094 | 106 | 30330 | 1.867 | ug/l | 97 |
| 66) Styrene | 10.110 | 104 | 48012 | 1.870 | ug/l | 98 |
| 67) Bromoform | 10.286 | 173 | 9073 | 1.898 | ug/l | 95 |
| 69) Isopropylbenzene | 10.479 | 105 | 75367 | 1.810 | ug/l | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 20751 | 2.023 | ug/l | 99 |
| 71) 1,2,3-Trichloropropane | 10.820 | 75 | 16292m | 2.136 | ug/l | |
| 72) Bromobenzene | 10.778 | 156 | 18751 | 1.879 | ug/l | 96 |
| 73) n-propylbenzene | 10.901 | 120 | 20703 | 1.864 | ug/l | 99 |
| 74) 2-Chlorotoluene | 10.981 | 126 | 19021 | 1.870 | ug/l | 96 |
| 75) 1,3,5-Trimethylbenzene | 11.084 | 105 | 64609 | 1.852 | ug/l | 99 |
| 76) 4-Chlorotoluene | 11.093 | 126 | 19737 | 1.856 | ug/l | 92 |
| 77) tert-Butylbenzene | 11.415 | 119 | 61549 | 1.842 | ug/l | 98 |
| 78) 1,2,4-Trimethylbenzene | 11.463 | 105 | 63753 | 1.812 | ug/l | 99 |
| 79) sec-Butylbenzene | 11.637 | 105 | 86113 | 1.861 | ug/l | 99 |
| 80) Nitrobenzene | 13.225 | 77 | 2210m | 10.178 | ug/l | |
| 81) p-Isopropyltoluene | 11.788 | 119 | 63695 | 1.811 | ug/l | 98 |
| 82) 1,3-Dichlorobenzene | 11.743 | 146 | 41443 | 1.960 | ug/l | 98 |
| 83) 1,4-Dichlorobenzene | 11.833 | 146 | 41960 | 1.984 | ug/l | 98 |
| 84) n-Butylbenzene | 12.206 | 91 | 57730 | 1.759 | ug/l | 96 |
| 85) 1,2-Dichlorobenzene | 12.209 | 146 | 38799 | 1.944 | ug/l | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.994 | 75 | 2607 | 1.868 | ug/l | 97 |
| 87) 1,2,4-Trichlorobenzene | 13.836 | 180 | 18929 | 1.772 | ug/l | 98 |
| 88) Hexachlorobutadiene | 14.013 | 225 | 12339 | 1.850 | ug/l | 97 |
| 89) Naphthalene | 14.084 | 128 | 26627m | 1.577 | ug/l | |
| 90) 1,2,3-Trichlorobenzene | 14.325 | 180 | 17368 | 1.788 | ug/l | 96 |

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

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