Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
Data File : VU047839.D
Acq On : 06 Apr 2022 19:49
Operator : SY/MD
Sample : MDL02 0.8ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL02 0.8ppb

Quant Time: Apr 11 03:53:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Apr 11 03:41:24 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.118 | 96 | 45196 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.636 | 95 | 14944 | 0.915 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 91.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 20435 | 1.036 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 104.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 14407 | 0.895 | ug/l | 98 |
| 3) Chloromethane | 1.527 | 50 | 15702 | 0.871 | ug/l | 91 |
| 4) Vinyl Chloride | 1.607 | 62 | 14740 | 0.924 | ug/l | 96 |
| 5) Bromomethane | 1.861 | 94 | 8916 | 0.885 | ug/l | 99 |
| 6) Chloroethane | 1.938 | 64 | 8776 | 0.886 | ug/l | 91 |
| 7) Trichlorofluoromethane | 2.144 | 101 | 19157 | 0.899 | ug/l | 96 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 10806 | 0.879 | ug/l | 93 |
| 9) 1,1-Dichloroethene | 2.584 | 96 | 11369 | 0.930 | ug/l | 98 |
| 10) Iodomethane | 2.729 | 142 | 7346 | 0.875 | ug/l | 95 |
| 11) Allyl Chloride | 2.928 | 41 | 15928 | 0.950 | ug/l | 95 |
| 12) Acrylonitrile | 3.321 | 53 | 5161m | 1.678 | ug/l | |
| 13) Acetone | 2.636 | 43 | 6978m | 2.857 | ug/l | |
| 14) Carbon Disulfide | 2.797 | 76 | 35300 | 0.913 | ug/l | 100 |
| 15) Methylene Chloride | 3.051 | 84 | 15156 | 0.780 | ug/l | 97 |
| 16) trans-1,2-Dichloroethene | 3.356 | 96 | 12450 | 0.931 | ug/l | 97 |
| 17) 1,1-Dichloroethane | 3.870 | 63 | 19526 | 0.889 | ug/l | 99 |
| 18) 2-Butanone | 4.723 | 43 | 10138m | 3.115 | ug/l | |
| 19) Cyclohexane | 5.388 | 56 | 13077m | 0.787 | ug/l | |
| 20) Methylcyclohexane | 6.764 | 83 | 13668 | 0.738 | ug/l | 95 |
| 21) 2,2-Dichloropropane | 4.668 | 77 | 14792 | 0.821 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 12484 | 0.906 | ug/l | 96 |
| 23) Diethyl Ether | 2.382 | 59 | 8322 | 0.913 | ug/l | 97 |
| 24) tert-Butyl Alcohol | 3.195 | 59 | 4245m | 4.295 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.375 | 73 | 27105 | 0.891 | ug/l | 97 |
| 26) Bromochloromethane | 4.983 | 128 | 6239 | 0.910 | ug/l | 96 |
| 27) Chloroform | 5.092 | 83 | 21480 | 0.920 | ug/l | 99 |
| 28) 1,1,1-Trichloroethane | 5.317 | 97 | 17734 | 0.898 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.530 | 75 | 13203 | 0.791 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.530 | 117 | 14710 | 0.856 | ug/l | 97 |
| 31) Isopropyl Ether | 4.002 | 45 | 25203 | 0.829 | ug/l | 91 |
| 32) Ethyl-t-butyl ether | 4.514 | 59 | 24278 | 0.824 | ug/l | 97 |
| 33) Tert-Amyl methyl ether | 5.948 | 73 | 19923 | 0.747 | ug/l | 98 |
| 34) Propionitrile | 4.800 | 54 | 3120m | 2.976 | ug/l | |
| 35) Benzene | 5.777 | 78 | 42930 | 0.861 | ug/l | 98 |
| 36) 1,2-Dichloroethane | 5.800 | 62 | 13151 | 0.896 | ug/l | 99 |
| 37) Trichloroethene | 6.546 | 130 | 12915 | 0.892 | ug/l | 96 |
| 38) 1,2-Dichloropropane | 6.793 | 63 | 11047 | 0.871 | ug/l | 96 |
| 39) Methacrylonitrile | 4.983 | 41 | 2775 | 0.744 | ug/l | 95 |
| 40) Methyl acrylate | 4.870 | 55 | 4378m | 0.719 | ug/l | |
| 41) Tetrahydrofuran | 5.083 | 42 | 2660m | 1.264 | ug/l | |
| 42) 1-Chlorobutane | 5.462 | 56 | 18102 | 0.840 | ug/l | 94 |
| 43) Dibromomethane | 6.922 | 93 | 6485 | 0.890 | ug/l | 99 |
| 44) Bromodichloromethane | 7.108 | 83 | 15087 | 0.895 | ug/l | 99 |

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**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL02 0.8ppb

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.800 | 43 | 29410 | 3.934 | ug/l | | 95 |
| 46) t-1,4-Dichloro-2-butene | 10.838 | 75 | 4806m | 1.361 | ug/l | | |
| 47) Methyl methacrylate | 6.967 | 69 | 7695 | 1.317 | ug/l | | 89 |
| 48) Ethyl methacrylate | 8.340 | 69 | 7827 | 0.727 | ug/l | | 100 |
| 49) Toluene | 7.970 | 92 | 24186 | 0.797 | ug/l | | 99 |
| 50) t-1,3-Dichloropropene | 8.214 | 75 | 11989 | 0.805 | ug/l | | 98 |
| 51) cis-1,3-Dichloropropene | 7.610 | 75 | 13610 | 0.794 | ug/l | | 98 |
| 52) 1,1,2-Trichloroethane | 8.404 | 97 | 9220 | 0.895 | ug/l | | 91 |
| 53) 1,3-Dichloropropane | 8.578 | 76 | 14232 | 0.843 | ug/l | | 98 |
| 54) 2-Hexanone | 8.693 | 43 | 19945 | 3.711 | ug/l | | 96 |
| 55) Dibromochloromethane | 8.809 | 129 | 10715 | 0.873 | ug/l | | 94 |
| 56) 1,2-Dibromoethane | 8.925 | 107 | 8318 | 0.846 | ug/l | | 98 |
| 58) Tetrachloroethene | 8.555 | 164 | 11804 | 0.910 | ug/l | | 96 |
| 59) Chlorobenzene | 9.449 | 112 | 29055 | 0.813 | ug/l | | 99 |
| 60) 1,1,1,2-Tetrachloroethane | 9.536 | 131 | 10935 | 0.862 | ug/l | | 98 |
| 61) Pentachloroethane | 11.430 | 117 | 9411 | 0.891 | ug/l | | 86 |
| 62) Hexachloroethane | 12.478 | 117 | 7992 | 0.830 | ug/l | | 98 |
| 63) Ethyl Benzene | 9.571 | 91 | 40327 | 0.732 | ug/l | | 99 |
| 64) m/p-Xylenes | 9.697 | 106 | 31372 | 1.430 | ug/l | | 96 |
| 65) o-Xylene | 10.102 | 106 | 15118 | 0.721 | ug/l | | 98 |
| 66) Styrene | 10.118 | 104 | 24849 | 0.700 | ug/l | | 98 |
| 67) Bromoform | 10.291 | 173 | 6775 | 0.868 | ug/l | | 98 |
| 69) Isopropylbenzene | 10.484 | 105 | 38934 | 0.710 | ug/l | | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.787 | 83 | 11068 | 0.832 | ug/l | | 99 |
| 71) 1,2,3-Trichloropropane | 10.832 | 75 | 9770m | 0.967 | ug/l | | |
| 72) Bromobenzene | 10.787 | 156 | 13374 | 0.812 | ug/l | | 98 |
| 73) n-propylbenzene | 10.909 | 120 | 11202 | 0.715 | ug/l | | 97 |
| 74) 2-Chlorotoluene | 10.986 | 126 | 11240 | 0.759 | ug/l | | 97 |
| 75) 1,3,5-Trimethylbenzene | 11.089 | 105 | 32157 | 0.691 | ug/l | | 99 |
| 76) 4-Chlorotoluene | 11.099 | 126 | 11285 | 0.721 | ug/l | | 100 |
| 77) tert-Butylbenzene | 11.423 | 119 | 34226 | 0.725 | ug/l | | 98 |
| 78) 1,2,4-Trimethylbenzene | 11.468 | 105 | 31329 | 0.656 | ug/l | | 99 |
| 79) sec-Butylbenzene | 11.645 | 105 | 42938 | 0.695 | ug/l | | 99 |
| 80) Nitrobenzene | 13.214 | 77 | 1832 | 3.638 | ug/l | # | 91 |
| 81) p-Isopropyltoluene | 11.796 | 119 | 34567 | 0.668 | ug/l | | 97 |
| 82) 1,3-Dichlorobenzene | 11.748 | 146 | 27992 | 0.847 | ug/l | | 99 |
| 83) 1,4-Dichlorobenzene | 11.838 | 146 | 26975 | 0.816 | ug/l | | 99 |
| 84) n-Butylbenzene | 12.211 | 91 | 33342 | 0.676 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.214 | 146 | 27052 | 0.862 | ug/l | | 96 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.002 | 75 | 1791 | 0.846 | ug/l | | 93 |
| 87) 1,2,4-Trichlorobenzene | 13.844 | 180 | 17264 | 0.757 | ug/l | | 99 |
| 88) Hexachlorobutadiene | 14.021 | 225 | 11178 | 0.826 | ug/l | | 99 |
| 89) Naphthalene | 14.092 | 128 | 24226 | 0.676 | ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.333 | 180 | 15626 | 0.739 | ug/l | | 98 |

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

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