Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
Data File : VU047834.D
Acq On : 06 Apr 2022 17:30
Operator : SY/MD
Sample : MDL01 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL01 0.25ppb

Quant Time: Apr 07 06:48:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 07 06:48:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.118 | 96 | 47208 | 1.000 | ug/l | | # 0.00 |
| System Monitoring Compounds | | | | | | | |
| 57) 4-Bromofluorobenzene | 10.635 | 95 | 14327 | 0.839 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 84.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 18875 | 0.916 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 92.000% | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 3034 | 0.180 | ug/l | | 95 |
| 3) Chloromethane | 1.526 | 50 | 4426 | 0.235 | ug/l | | 92 |
| 4) Vinyl Chloride | 1.607 | 62 | 3685 | 0.221 | ug/l | | 91 |
| 5) Bromomethane | 1.861 | 94 | 2492 | 0.237 | ug/l | | 90 |
| 6) Chloroethane | 1.938 | 64 | 2124 | 0.205 | ug/l | # | 88 |
| 7) Trichlorofluoromethane | 2.144 | 101 | 4615 | 0.207 | ug/l | | 90 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.587 | 101 | 2920 | 0.227 | ug/l | | 95 |
| 9) 1,1-Dichloroethene | 2.584 | 96 | 2802 | 0.219 | ug/l | | 97 |
| 10) Iodomethane | 2.729 | 142 | 1850 | 0.211 | ug/l | | 98 |
| 11) Allyl Chloride | 2.928 | 41 | 4376 | 0.250 | ug/l | | 99 |
| 12) Acrylonitrile | 3.333 | 53 | 1435 | 0.447 | ug/l | # | 82 |
| 13) Acetone | 2.639 | 43 | 3916 | 1.535 | ug/l | | 93 |
| 14) Carbon Disulfide | 2.797 | 76 | 8717 | 0.216 | ug/l | # | 90 |
| 15) Methylene Chloride | 3.047 | 84 | 9239 | 0.455 | ug/l | | 93 |
| 16) trans-1,2-Dichloroethene | 3.359 | 96 | 3138 | 0.225 | ug/l | | 98 |
| 17) 1,1-Dichloroethane | 3.874 | 63 | 4988 | 0.217 | ug/l | # | 93 |
| 18) 2-Butanone | 4.735 | 43 | 3868 | 1.138 | ug/l | | 76 |
| 19) Cyclohexane | 5.385 | 56 | 3359m | 0.193 | ug/l | | |
| 20) Methylcyclohexane | 6.767 | 83 | 3311 | 0.171 | ug/l | | 98 |
| 21) 2,2-Dichloropropane | 4.671 | 77 | 3958 | 0.210 | ug/l | | 92 |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 2950 | 0.205 | ug/l | | 96 |
| 23) Diethyl Ether | 2.385 | 59 | 2031 | 0.213 | ug/l | | 94 |
| 24) tert-Butyl Alcohol | 3.224 | 59 | 2510 | 2.371 | ug/l | # | 72 |
| 25) Methyl tert-Butyl Ether | 3.375 | 73 | 7006 | 0.221 | ug/l | # | 74 |
| 26) Bromochloromethane | 4.980 | 128 | 1488 | 0.208 | ug/l | | 95 |
| 27) Chloroform | 5.095 | 83 | 5506 | 0.226 | ug/l | | 92 |
| 28) 1,1,1-Trichloroethane | 5.324 | 97 | 4436 | 0.215 | ug/l | | 99 |
| 29) 1,1-Dichloropropene | 5.530 | 75 | 3159 | 0.181 | ug/l | | 94 |
| 30) Carbon Tetrachloride | 5.523 | 117 | 3854 | 0.215 | ug/l | | 94 |
| 31) Isopropyl Ether | 4.009 | 45 | 6089 | 0.192 | ug/l | | 90 |
| 32) Ethyl-t-butyl ether | 4.513 | 59 | 6054 | 0.197 | ug/l | | 96 |
| 33) Tert-Amyl methyl ether | 5.951 | 73 | 5114 | 0.184 | ug/l | | 97 |
| 34) Propionitrile | 4.806 | 54 | 1009 | 0.922 | ug/l | # | 60 |
| 35) Benzene | 5.777 | 78 | 10317 | 0.198 | ug/l | | 94 |
| 36) 1,2-Dichloroethane | 5.800 | 62 | 3195 | 0.208 | ug/l | # | 91 |
| 37) Trichloroethene | 6.546 | 130 | 3007 | 0.199 | ug/l | | 92 |
| 38) 1,2-Dichloropropane | 6.793 | 63 | 2743 | 0.207 | ug/l | | 97 |
| 39) Methacrylonitrile | 4.986 | 41 | 554 | 0.142 | ug/l | # | 74 |
| 40) Methyl acrylate | 4.880 | 55 | 963m | 0.151 | ug/l | | |
| 41) Tetrahydrofuran | 5.079 | 42 | 1080 | 0.491 | ug/l | # | 68 |
| 42) 1-Chlorobutane | 5.462 | 56 | 4368 | 0.194 | ug/l | | 100 |
| 43) Dibromomethane | 6.925 | 93 | 1376 | 0.181 | ug/l | | 88 |
| 44) Bromodichloromethane | 7.111 | 83 | 3773 | 0.214 | ug/l | # | 92 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL01 0.25ppb

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 07 06:48:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.803 | 43 | 8255 | 1.057 | ug/l | | 91 |
| 46) t-1,4-Dichloro-2-butene | 10.838 | 75 | 1067m | 0.289 | ug/l | | |
| 47) Methyl methacrylate | 6.970 | 69 | 1920 | 0.315 | ug/l | | 88 |
| 48) Ethyl methacrylate | 8.340 | 69 | 1909 | 0.170 | ug/l | | 97 |
| 49) Toluene | 7.973 | 92 | 5525 | 0.174 | ug/l | | 97 |
| 50) t-1,3-Dichloropropene | 8.217 | 75 | 3224 | 0.207 | ug/l | | 90 |
| 51) cis-1,3-Dichloropropene | 7.610 | 75 | 3704 | 0.207 | ug/l | | 90 |
| 52) 1,1,2-Trichloroethane | 8.404 | 97 | 2173 | 0.202 | ug/l | | 95 |
| 53) 1,3-Dichloropropane | 8.581 | 76 | 3143 | 0.178 | ug/l | # | 88 |
| 54) 2-Hexanone | 8.693 | 43 | 5587 | 0.995 | ug/l | | 91 |
| 55) Dibromochloromethane | 8.812 | 129 | 2649 | 0.207 | ug/l | | 89 |
| 56) 1,2-Dibromoethane | 8.931 | 107 | 1970 | 0.192 | ug/l | | 88 |
| 58) Tetrachloroethene | 8.558 | 164 | 2774 | 0.205 | ug/l | | 96 |
| 59) Chlorobenzene | 9.449 | 112 | 6702 | 0.180 | ug/l | | 95 |
| 60) 1,1,1,2-Tetrachloroethane | 9.539 | 131 | 2759 | 0.208 | ug/l | | 98 |
| 61) Pentachloroethane | 11.430 | 117 | 2257 | 0.205 | ug/l | | 98 |
| 62) Hexachloroethane | 12.475 | 117 | 1878 | 0.187 | ug/l | | 98 |
| 63) Ethyl Benzene | 9.571 | 91 | 9118 | 0.158 | ug/l | | 100 |
| 64) m/p-Xylenes | 9.697 | 106 | 6911 | 0.302 | ug/l | | 98 |
| 65) o-Xylene | 10.102 | 106 | 3375 | 0.154 | ug/l | | 97 |
| 66) Styrene | 10.118 | 104 | 5567 | 0.150 | ug/l | | 95 |
| 67) Bromoform | 10.291 | 173 | 1716 | 0.210 | ug/l | # | 89 |
| 69) Isopropylbenzene | 10.484 | 105 | 8524 | 0.149 | ug/l | | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.783 | 83 | 2752 | 0.198 | ug/l | | 100 |
| 71) 1,2,3-Trichloropropane | 10.828 | 75 | 2079m | 0.197 | ug/l | | |
| 72) Bromobenzene | 10.783 | 156 | 3249 | 0.189 | ug/l | | 94 |
| 73) n-propylbenzene | 10.906 | 120 | 2375 | 0.145 | ug/l | | 93 |
| 74) 2-Chlorotoluene | 10.989 | 126 | 2271 | 0.147 | ug/l | | 85 |
| 75) 1,3,5-Trimethylbenzene | 11.089 | 105 | 6439 | 0.132 | ug/l | | 96 |
| 76) 4-Chlorotoluene | 11.102 | 126 | 2439 | 0.149 | ug/l | | 93 |
| 77) tert-Butylbenzene | 11.420 | 119 | 7667 | 0.155 | ug/l | | 94 |
| 78) 1,2,4-Trimethylbenzene | 11.468 | 105 | 6858 | 0.138 | ug/l | | 91 |
| 79) sec-Butylbenzene | 11.645 | 105 | 9422 | 0.146 | ug/l | | 93 |
| 80) Nitrobenzene | 13.221 | 77 | 455 | 0.865 | ug/l | # | 54 |
| 81) p-Isopropyltoluene | 11.796 | 119 | 6946 | 0.129 | ug/l | | 98 |
| 82) 1,3-Dichlorobenzene | 11.751 | 146 | 6722 | 0.195 | ug/l | | 99 |
| 83) 1,4-Dichlorobenzene | 11.841 | 146 | 6590 | 0.191 | ug/l | | 97 |
| 84) n-Butylbenzene | 12.211 | 91 | 7500 | 0.146 | ug/l | | 97 |
| 85) 1,2-Dichlorobenzene | 12.217 | 146 | 6012 | 0.184 | ug/l | | 90 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.992 | 75 | 300 | 0.136 | ug/l | # | 63 |
| 87) 1,2,4-Trichlorobenzene | 13.844 | 180 | 4571 | 0.192 | ug/l | | 93 |
| 88) Hexachlorobutadiene | 14.021 | 225 | 2791 | 0.198 | ug/l | | 98 |
| 89) Naphthalene | 14.092 | 128 | 7407 | 0.190 | ug/l | # | 95 |
| 90) 1,2,3-Trichlorobenzene | 14.333 | 180 | 4524 | 0.205 | ug/l | | 97 |

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

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MSVOA_U
**ClientSampleId :**
MDL01 0.25ppb

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