Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050361.D
Acq On : 17 Aug 2022 18:30
Operator : SY/MD
Sample : N3980-07 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:58:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 18 07:58:54 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.096 | 96 | 36154 | 1.000 | ug/l | | #-0.03 |
| System Monitoring Compounds | | | | | | | |
| 57) 4-Bromofluorobenzene | 10.642 | 95 | 8929 | 0.718 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 72.000% | | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 10527 | 0.713 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 71.000% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 1894 | 0.134 | ug/l | | 87 |
| 3) Chloromethane | 1.520 | 50 | 4103m | 0.241 | ug/l | | |
| 4) Vinyl Chloride | 1.604 | 62 | 2400 | 0.156 | ug/l | # | 70 |
| 5) Bromomethane | 1.858 | 94 | 1660 | 0.250 | ug/l | | 97 |
| 6) Chloroethane | 1.932 | 64 | 1738 | 0.184 | ug/l | | 90 |
| 7) Trichlorofluoromethane | 2.138 | 101 | 2795 | 0.155 | ug/l | | 94 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 1555 | 0.159 | ug/l | # | 92 |
| 9) 1,1-Dichloroethene | 2.584 | 96 | 2033 | 0.201 | ug/l | | 94 |
| 10) Iodomethane | 2.729 | 142 | 1495 | 0.156 | ug/l | | 94 |
| 11) Allyl Chloride | 2.932 | 41 | 3587 | 0.216 | ug/l | | 91 |
| 12) Acrylonitrile | 3.340 | 53 | 1524 | 0.454 | ug/l | # | 85 |
| 13) Acetone | 2.655 | 43 | 3691 | 1.275 | ug/l | | 97 |
| 14) Carbon Disulfide | 2.797 | 76 | 7357 | 0.212 | ug/l | | 96 |
| 15) Methylene Chloride | 3.054 | 84 | 12935 | 0.630 | ug/l | | 95 |
| 16) trans-1,2-Dichloroethene | 3.359 | 96 | 2344 | 0.209 | ug/l | | 98 |
| 17) 1,1-Dichloroethane | 3.877 | 63 | 4382 | 0.201 | ug/l | # | 94 |
| 18) 2-Butanone | 4.758 | 43 | 4140 | 1.162 | ug/l | | 96 |
| 19) Cyclohexane | 5.353 | 56 | 2729m | 0.206 | ug/l | | |
| 20) Methylcyclohexane | 6.768 | 83 | 1495 | 0.117 | ug/l | | 99 |
| 21) 2,2-Dichloropropane | 4.658 | 77 | 3582 | 0.221 | ug/l | # | 85 |
| 22) cis-1,2-Dichloroethene | 4.668 | 96 | 2404 | 0.203 | ug/l | | 90 |
| 23) Diethyl Ether | 2.382 | 59 | 1883 | 0.192 | ug/l | # | 87 |
| 24) tert-Butyl Alcohol | 3.266 | 59 | 950m | 0.750 | ug/l | | |
| 25) Methyl tert-Butyl Ether | 3.388 | 73 | 5111 | 0.178 | ug/l | | 94 |
| 26) Bromochloromethane | 4.977 | 128 | 999 | 0.187 | ug/l | | 89 |
| 27) Chloroform | 5.086 | 83 | 4624 | 0.214 | ug/l | | 95 |
| 28) 1,1,1-Trichloroethane | 5.298 | 97 | 3476 | 0.207 | ug/l | | 96 |
| 29) 1,1-Dichloropropene | 5.494 | 75 | 2944 | 0.223 | ug/l | | 94 |
| 30) Carbon Tetrachloride | 5.488 | 117 | 2658 | 0.194 | ug/l | | 97 |
| 31) Isopropyl Ether | 4.025 | 45 | 7230 | 0.222 | ug/l | | 85 |
| 32) Ethyl-t-butyl ether | 4.527 | 59 | 5634 | 0.215 | ug/l | | 95 |
| 33) Tert-Amyl methyl ether | 5.951 | 73 | 3614 | 0.199 | ug/l | # | 85 |
| 34) Propionitrile | 4.842 | 54 | 1334m | 1.122 | ug/l | | |
| 35) Benzene | 5.745 | 78 | 9041 | 0.209 | ug/l | | 97 |
| 36) 1,2-Dichloroethane | 5.777 | 62 | 4967 | 0.365 | ug/l | # | 83 |
| 37) Trichloroethene | 6.539 | 130 | 2268 | 0.215 | ug/l | # | 78 |
| 38) 1,2-Dichloropropane | 6.816 | 63 | 2259 | 0.188 | ug/l | # | 87 |
| 39) Methacrylonitrile | 4.999 | 41 | 1458 | 0.382 | ug/l | # | 88 |
| 40) Methyl acrylate | 4.874 | 55 | 2266 | 0.340 | ug/l | # | 79 |
| 41) Tetrahydrofuran | 5.092 | 42 | 1769 | 0.824 | ug/l | # | 72 |
| 42) 1-Chlorobutane | 5.430 | 56 | 4015 | 0.217 | ug/l | | 93 |
| 43) Dibromomethane | 6.954 | 93 | 1237 | 0.186 | ug/l | | 90 |
| 44) Bromodichloromethane | 7.137 | 83 | 2852 | 0.187 | ug/l | # | 89 |

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MSVOA_U
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2022

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.835 | 43 | 5921 | 0.816 | ug/l | | 94 |
| 46) t-1,4-Dichloro-2-butene | 10.835 | 75 | 1127m | 0.471 | ug/l | | |
| 47) Methyl methacrylate | 7.006 | 69 | 1516 | 0.284 | ug/l | | 94 |
| 48) Ethyl methacrylate | 8.359 | 69 | 1158 | 0.124 | ug/l | | 89 |
| 49) Toluene | 7.993 | 92 | 3766 | 0.155 | ug/l | | 98 |
| 50) t-1,3-Dichloropropene | 8.231 | 75 | 1981 | 0.157 | ug/l | | 93 |
| 51) cis-1,3-Dichloropropene | 7.636 | 75 | 2475 | 0.173 | ug/l | # | 81 |
| 52) 1,1,2-Trichloroethane | 8.420 | 97 | 1816 | 0.183 | ug/l | | 97 |
| 53) 1,3-Dichloropropane | 8.597 | 76 | 2454 | 0.160 | ug/l | | 97 |
| 54) 2-Hexanone | 8.716 | 43 | 4527 | 0.917 | ug/l | | 89 |
| 55) Dibromochloromethane | 8.832 | 129 | 1759 | 0.167 | ug/l | | 100 |
| 56) 1,2-Dibromoethane | 8.941 | 107 | 1493 | 0.175 | ug/l | | 100 |
| 58) Tetrachloroethene | 8.571 | 164 | 1843 | 0.186 | ug/l | | 94 |
| 59) Chlorobenzene | 9.459 | 112 | 4692 | 0.177 | ug/l | | 100 |
| 60) 1,1,1,2-Tetrachloroethane | 9.546 | 131 | 1882 | 0.175 | ug/l | | 92 |
| 61) Pentachloroethane | 11.430 | 117 | 1618 | 0.184 | ug/l | | 95 |
| 62) Hexachloroethane | 12.475 | 117 | 1254 | 0.170 | ug/l | | 94 |
| 63) Ethyl Benzene | 9.581 | 91 | 6336 | 0.153 | ug/l | | 89 |
| 64) m/p-Xylenes | 9.706 | 106 | 4595 | 0.284 | ug/l | | 89 |
| 65) o-Xylene | 10.102 | 106 | 2391 | 0.154 | ug/l | | 87 |
| 66) Styrene | 10.124 | 104 | 3498 | 0.135 | ug/l | | 98 |
| 67) Bromoform | 10.301 | 173 | 1085 | 0.180 | ug/l | # | 78 |
| 69) Isopropylbenzene | 10.491 | 105 | 5491 | 0.139 | ug/l | | 98 |
| 70) 1,1,2,2-Tetrachloroethane | 10.790 | 83 | 2570 | 0.192 | ug/l | # | 93 |
| 71) 1,2,3-Trichloropropane | 10.835 | 75 | 1290m | 0.135 | ug/l | | |
| 72) Bromobenzene | 10.790 | 156 | 1791 | 0.162 | ug/l | | 88 |
| 73) n-propylbenzene | 10.909 | 120 | 1457 | 0.140 | ug/l | # | 64 |
| 74) 2-Chlorotoluene | 10.996 | 126 | 1354 | 0.132 | ug/l | | 79 |
| 75) 1,3,5-Trimethylbenzene | 11.092 | 105 | 4570 | 0.132 | ug/l | | 100 |
| 76) 4-Chlorotoluene | 11.102 | 126 | 1415 | 0.136 | ug/l | | 97 |
| 77) tert-Butylbenzene | 11.427 | 119 | 5094 | 0.148 | ug/l | | 99 |
| 78) 1,2,4-Trimethylbenzene | 11.472 | 105 | 5134 | 0.141 | ug/l | | 99 |
| 79) sec-Butylbenzene | 11.645 | 105 | 7630 | 0.165 | ug/l | | 99 |
| 80) Nitrobenzene | 13.217 | 77 | 1381 | 1.670 | ug/l | # | 87 |
| 81) p-Isopropyltoluene | 11.796 | 119 | 5765 | 0.094 | ug/l | | 97 |
| 82) 1,3-Dichlorobenzene | 11.748 | 146 | 4592 | 0.198 | ug/l | | 96 |
| 83) 1,4-Dichlorobenzene | 11.841 | 146 | 4850 | 0.204 | ug/l | | 94 |
| 84) n-Butylbenzene | 12.214 | 91 | 7829 | 0.209 | ug/l | | 93 |
| 85) 1,2-Dichlorobenzene | 12.218 | 146 | 4424 | 0.192 | ug/l | | 97 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.012 | 75 | 326m | 0.151 | ug/l | | |
| 87) 1,2,4-Trichlorobenzene | 13.844 | 180 | 4910 | 0.333 | ug/l | | 96 |
| 88) Hexachlorobutadiene | 14.025 | 225 | 2046 | 0.243 | ug/l | | 99 |
| 89) Naphthalene | 14.092 | 128 | 12454 | 0.431 | ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.333 | 180 | 5411 | 0.365 | ug/l | | 98 |

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

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