Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060321\
Data File : VU044036.D
Acq On : 03 Jun 2021 13:36
Operator : SY/MD
Sample : VU0603WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0603WBSD01

**Manual Integrations APPROVED**
MMDadoda
6/7/2021 1:07:20 PM

Quant Time: Jun 04 06:28:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 03 11:17:14 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.124 | 96 | 17126 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.639 | 95 | 6194 | 1.040 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 104.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.201 | 152 | 7002 | 1.103 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 110.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.392 | 85 | 14503 | 2.011 | ug/l | 98 |
| 3) Chloromethane | 1.527 | 50 | 15835 | 2.036 | ug/l | 100 |
| 4) Vinyl Chloride | 1.610 | 62 | 14631 | 1.994 | ug/l | 96 |
| 5) Bromomethane | 1.864 | 94 | 8471 | 1.938 | ug/l | 98 |
| 6) Chloroethane | 1.941 | 64 | 8708 | 1.946 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.147 | 101 | 16286 | 1.977 | ug/l | 98 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591 | 101 | 9393 | 1.977 | ug/l | 99 |
| 9) 1,1-Dichloroethene | 2.591 | 96 | 8882 | 1.980 | ug/l | 99 |
| 10) Iodomethane | 2.732 | 142 | 10707 | 1.854 | ug/l | 97 |
| 11) Allyl Chloride | 2.935 | 41 | 14805 | 2.048 | ug/l | 98 |
| 12) Acrylonitrile | 3.334 | 53 | 3531 | 3.860 | ug/l | 95 |
| 13) Acetone | 2.639 | 43 | 5085 | 12.682 | ug/l | 95 |
| 14) Carbon Disulfide | 2.803 | 76 | 30901 | 1.998 | ug/l | 99 |
| 15) Methylene Chloride | 3.057 | 84 | 11895 | 1.935 | ug/l | 98 |
| 16) trans-1,2-Dichloroethene | 3.362 | 96 | 9626 | 1.941 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.883 | 63 | 19065 | 2.001 | ug/l | 97 |
| 18) 2-Butanone | 4.735 | 43 | 9182 | 7.986 | ug/l | 99 |
| 19) Cyclohexane | 5.391 | 56 | 17760m | 1.963 | ug/l | |
| 20) Methylcyclohexane | 6.768 | 83 | 12575 | 1.738 | ug/l | 92 |
| 21) 2,2-Dichloropropane | 4.678 | 77 | 15977 | 2.114 | ug/l | 98 |
| 22) cis-1,2-Dichloroethene | 4.681 | 96 | 10572 | 1.998 | ug/l | 96 |
| 23) Diethyl Ether | 2.388 | 59 | 7294 | 1.987 | ug/l | 98 |
| 24) tert-Butyl Alcohol | 3.205 | 59 | 9705m | 22.701 | ug/l | |
| 25) Methyl tert-Butyl Ether | 3.382 | 73 | 22136 | 1.963 | ug/l | 93 |
| 26) Bromochloromethane | 4.986 | 128 | 4247 | 1.984 | ug/l | 95 |
| 27) Chloroform | 5.102 | 83 | 18269 | 1.965 | ug/l | 96 |
| 28) 1,1,1-Trichloroethane | 5.324 | 97 | 15758 | 2.008 | ug/l | 99 |
| 29) 1,1-Dichloropropene | 5.533 | 75 | 14304 | 1.946 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.530 | 117 | 13376 | 1.955 | ug/l | 99 |
| 31) Isopropyl Ether | 4.018 | 45 | 30299 | 2.003 | ug/l | 99 |
| 32) Ethyl-t-butyl ether | 4.526 | 59 | 26171 | 1.928 | ug/l | 100 |
| 33) Tert-Amyl methyl ether | 5.964 | 73 | 19627 | 1.866 | ug/l | 98 |
| 34) Propionitrile | 4.806 | 54 | 2418 | 9.871 | ug/l # | 92 |
| 35) Benzene | 5.780 | 78 | 42333 | 1.983 | ug/l | 98 |
| 36) 1,2-Dichloroethane | 5.809 | 62 | 12456 | 1.996 | ug/l | 98 |
| 37) Trichloroethene | 6.549 | 130 | 9430 | 1.909 | ug/l | 97 |
| 38) 1,2-Dichloropropane | 6.803 | 63 | 11191 | 1.986 | ug/l | 99 |
| 39) Methacrylonitrile | 4.996 | 41 | 3194 | 1.878 | ug/l | 93 |
| 40) Methyl acrylate | 4.870 | 55 | 4990 | 1.826 | ug/l # | 96 |
| 41) Tetrahydrofuran | 5.083 | 42 | 3231 | 3.789 | ug/l # | 89 |
| 42) 1-Chlorobutane | 5.465 | 56 | 21255 | 2.008 | ug/l | 100 |
| 43) Dibromomethane | 6.928 | 93 | 5624 | 2.031 | ug/l | 97 |
| 44) Bromodichloromethane | 7.118 | 83 | 13874 | 2.010 | ug/l | 97 |

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Operator : SY/MD
Sample : VU0603WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0603WBSD01

**Manual Integrations APPROVED**
MMDadoda
6/7/2021 1:07:20 PM

Quant Time: Jun 04 06:28:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 03 11:17:14 2021
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 45) | 4-Methyl-2-Pentanone | 7.816 | 43 | 27864 | 9.089 | ug/l | | 96 |
| 46) | t-1,4-Dichloro-2-butene | 10.841 | 75 | 5263m | 3.862 | ug/l | | |
| 47) | Methyl methacrylate | 6.980 | 69 | 8469 | 3.604 | ug/l | | 93 |
| 48) | Ethyl methacrylate | 8.349 | 69 | 7623 | 1.783 | ug/l | | 97 |
| 49) | Toluene | 7.976 | 92 | 22200 | 1.882 | ug/l | | 99 |
| 50) | t-1,3-Dichloropropene | 8.224 | 75 | 11262 | 1.884 | ug/l | | 97 |
| 51) | cis-1,3-Dichloropropene | 7.616 | 75 | 13059 | 1.941 | ug/l | | 99 |
| 52) | 1,1,2-Trichloroethane | 8.414 | 97 | 7700 | 1.931 | ug/l | | 96 |
| 53) | 1,3-Dichloropropane | 8.587 | 76 | 13396 | 1.915 | ug/l | | 100 |
| 54) | 2-Hexanone | 8.706 | 43 | 19800 | 9.335 | ug/l | | 93 |
| 55) | Dibromochloromethane | 8.819 | 129 | 8489 | 1.946 | ug/l | | 99 |
| 56) | 1,2-Dibromoethane | 8.935 | 107 | 6877 | 1.945 | ug/l | | 99 |
| 58) | Tetrachloroethene | 8.562 | 164 | 8983 | 1.958 | ug/l | | 98 |
| 59) | Chlorobenzene | 9.456 | 112 | 22967 | 1.855 | ug/l | | 98 |
| 60) | 1,1,1,2-Tetrachloroethane | 9.542 | 131 | 9122 | 1.943 | ug/l | | 99 |
| 61) | Pentachloroethane | 11.436 | 117 | 7324 | 1.928 | ug/l | | 94 |
| 62) | Hexachloroethane | 12.484 | 117 | 7446 | 1.975 | ug/l | | 96 |
| 63) | Ethyl Benzene | 9.578 | 91 | 34816 | 1.817 | ug/l | | 99 |
| 64) | m/p-Xylenes | 9.703 | 106 | 28838 | 3.638 | ug/l | | 99 |
| 65) | o-Xylene | 10.108 | 106 | 13590 | 1.850 | ug/l | | 99 |
| 66) | Styrene | 10.124 | 104 | 23763 | 1.834 | ug/l | | 99 |
| 67) | Bromoform | 10.301 | 173 | 4605 | 1.926 | ug/l | # | 99 |
| 69) | Isopropylbenzene | 10.491 | 105 | 35633 | 1.861 | ug/l | | 100 |
| 70) | 1,1,2,2-Tetrachloroethane | 10.793 | 83 | 10459 | 1.999 | ug/l | | 99 |
| 71) | 1,2,3-Trichloropropane | 10.835 | 75 | 7041m | 1.782 | ug/l | | |
| 72) | Bromobenzene | 10.790 | 156 | 9537 | 1.892 | ug/l | | 98 |
| 73) | n-propylbenzene | 10.915 | 120 | 10089 | 1.845 | ug/l | | 97 |
| 74) | 2-Chlorotoluene | 10.996 | 126 | 9514 | 1.896 | ug/l | | 95 |
| 75) | 1,3,5-Trimethylbenzene | 11.095 | 105 | 33118 | 1.850 | ug/l | | 99 |
| 76) | 4-Chlorotoluene | 11.105 | 126 | 10552 | 1.944 | ug/l | | 94 |
| 77) | tert-Butylbenzene | 11.426 | 119 | 31468 | 1.837 | ug/l | | 98 |
| 78) | 1,2,4-Trimethylbenzene | 11.475 | 105 | 33731 | 1.841 | ug/l | | 100 |
| 79) | sec-Butylbenzene | 11.652 | 105 | 45058 | 1.880 | ug/l | | 100 |
| 80) | Nitrobenzene | 13.217 | 77 | 1704 | 10.878 | ug/l | # | 93 |
| 81) | p-Isopropyltoluene | 11.803 | 119 | 36022 | 1.875 | ug/l | | 99 |
| 82) | 1,3-Dichlorobenzene | 11.754 | 146 | 21812 | 1.982 | ug/l | | 99 |
| 83) | 1,4-Dichlorobenzene | 11.844 | 146 | 22158 | 2.021 | ug/l | | 99 |
| 84) | n-Butylbenzene | 12.217 | 91 | 35371 | 1.884 | ug/l | | 96 |
| 85) | 1,2-Dichlorobenzene | 12.221 | 146 | 20731 | 1.978 | ug/l | | 99 |
| 86) | 1,2-Dibromo-3-Chloropr... | 13.005 | 75 | 1513 | 1.904 | ug/l | | 99 |
| 87) | 1,2,4-Trichlorobenzene | 13.848 | 180 | 10848 | 1.756 | ug/l | | 99 |
| 88) | Hexachlorobutadiene | 14.031 | 225 | 7643 | 1.904 | ug/l | | 96 |
| 89) | Naphthalene | 14.095 | 128 | 16164 | 2.091 | ug/l | | 99 |
| 90) | 1,2,3-Trichlorobenzene | 14.336 | 180 | 10272 | 1.725 | ug/l | | 99 |

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

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