Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
Data File : VU044323.D
Acq On : 07 Jul 2021 19:26
Operator : SY/MD
Sample : M2940-07 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2021

**Manual Integrations APPROVED**
MMDadoda
7/9/2021 6:26:56 PM

Quant Time: Jul 08 08:53:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 08:49:09 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.121 | 96 | 25969 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.642 | 95 | 11121 | 0.967 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 97.000% | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.201 | 152 | 10975 | 0.957 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 96.000% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.391 | 85 | 6575 | 0.731 | ug/l | 97 |
| 3) Chloromethane | 1.523 | 50 | 6660 | 0.769 | ug/l | 96 |
| 4) Vinyl Chloride | 1.610 | 62 | 6583 | 0.723 | ug/l | 96 |
| 5) Bromomethane | 1.864 | 94 | 4560 | 0.841 | ug/l | 97 |
| 6) Chloroethane | 1.941 | 64 | 4844 | 0.797 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.147 | 101 | 10237 | 0.742 | ug/l | 94 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.594 | 101 | 5921 | 0.745 | ug/l | 97 |
| 9) 1,1-Dichloroethene | 2.591 | 96 | 5327 | 0.767 | ug/l | 97 |
| 10) Iodomethane | 2.732 | 142 | 3950 | 0.571 | ug/l | 95 |
| 11) Allyl Chloride | 2.932 | 41 | 8667 | 0.702 | ug/l | 91 |
| 12) Acrylonitrile | 3.330 | 53 | 2483 | 1.597 | ug/l | 87 |
| 13) Acetone | 2.639 | 43 | 3307 | 3.206 | ug/l | 92 |
| 14) Carbon Disulfide | 2.803 | 76 | 14607 | 0.777 | ug/l | 95 |
| 15) Methylene Chloride | 3.054 | 84 | 8309 | 0.658 | ug/l | 95 |
| 16) trans-1,2-Dichloroethene | 3.362 | 96 | 5838 | 0.760 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.883 | 63 | 11566 | 0.746 | ug/l | 98 |
| 18) 2-Butanone | 4.739 | 43 | 7119 | 3.517 | ug/l | 92 |
| 19) Cyclohexane | 5.388 | 56 | 9453 | 0.761 | ug/l | 98 |
| 20) Methylcyclohexane | 6.767 | 83 | 9040 | 0.709 | ug/l | 97 |
| 21) 2,2-Dichloropropane | 4.677 | 77 | 10538 | 0.698 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.677 | 96 | 6689 | 0.738 | ug/l | 97 |
| 23) Diethyl Ether | 2.385 | 59 | 4395 | 0.759 | ug/l | 88 |
| 24) tert-Butyl Alcohol | 3.195 | 59 | 4352 | 9.639 | ug/l # | 87 |
| 25) Methyl tert-Butyl Ether | 3.382 | 73 | 16399 | 0.769 | ug/l | 97 |
| 26) Bromochloromethane | 4.983 | 128 | 3053 | 0.770 | ug/l | 95 |
| 27) Chloroform | 5.099 | 83 | 12580 | 0.767 | ug/l | 97 |
| 28) 1,1,1-Trichloroethane | 5.321 | 97 | 10925 | 0.754 | ug/l | 100 |
| 29) 1,1-Dichloropropene | 5.533 | 75 | 7905 | 0.747 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.529 | 117 | 8239 | 0.739 | ug/l | 95 |
| 31) Isopropyl Ether | 4.018 | 45 | 19695 | 0.741 | ug/l | 96 |
| 32) Ethyl-t-butyl ether | 4.523 | 59 | 18922 | 0.738 | ug/l | 95 |
| 33) Tert-Amyl methyl ether | 5.960 | 73 | 14432 | 0.698 | ug/l | 98 |
| 34) Propionitrile | 4.806 | 54 | 1849 | 3.603 | ug/l # | 78 |
| 35) Benzene | 5.780 | 78 | 21618 | 0.739 | ug/l | 96 |
| 36) 1,2-Dichloroethane | 5.806 | 62 | 7058 | 0.739 | ug/l | 97 |
| 37) Trichloroethene | 6.549 | 130 | 5944 | 0.729 | ug/l | 95 |
| 38) 1,2-Dichloropropane | 6.803 | 63 | 5575 | 0.685 | ug/l | 89 |
| 39) Methacrylonitrile | 4.996 | 41 | 2678 | 0.839 | ug/l # | 90 |
| 40) Methyl acrylate | 4.867 | 55 | 3572 | 0.804 | ug/l # | 87 |
| 41) Tetrahydrofuran | 5.083 | 42 | 2381 | 1.791 | ug/l # | 81 |
| 42) 1-Chlorobutane | 5.465 | 56 | 11081 | 0.758 | ug/l | 96 |
| 43) Dibromomethane | 6.928 | 93 | 3034 | 0.707 | ug/l | 98 |
| 44) Bromodichloromethane | 7.118 | 83 | 7795 | 0.716 | ug/l | 93 |

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Quant Time: Jul 08 08:53:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.812 | 43 | 22260 | 3.626 | ug/l | | 99 |
| 46) t-1,4-Dichloro-2-butene | 10.841 | 75 | 3245m | 1.350 | ug/l | | |
| 47) Methyl methacrylate | 6.980 | 69 | 6307 | 1.435 | ug/l | | 93 |
| 48) Ethyl methacrylate | 8.349 | 69 | 6672 | 0.710 | ug/l | | 96 |
| 49) Toluene | 7.976 | 92 | 14142 | 0.736 | ug/l | | 99 |
| 50) t-1,3-Dichloropropene | 8.221 | 75 | 7468 | 0.674 | ug/l | | 93 |
| 51) cis-1,3-Dichloropropene | 7.616 | 75 | 8784 | 0.698 | ug/l | | 96 |
| 52) 1,1,2-Trichloroethane | 8.410 | 97 | 4321 | 0.726 | ug/l | | 90 |
| 53) 1,3-Dichloropropane | 8.587 | 76 | 7832 | 0.716 | ug/l | | 98 |
| 54) 2-Hexanone | 8.703 | 43 | 14664 | 3.283 | ug/l | | 96 |
| 55) Dibromochloromethane | 8.819 | 129 | 5289 | 0.690 | ug/l | | 94 |
| 56) 1,2-Dibromoethane | 8.935 | 107 | 4376 | 0.735 | ug/l | | 98 |
| 58) Tetrachloroethene | 8.558 | 164 | 5453 | 0.724 | ug/l | | 98 |
| 59) Chlorobenzene | 9.452 | 112 | 15870 | 0.730 | ug/l | | 100 |
| 60) 1,1,1,2-Tetrachloroethane | 9.539 | 131 | 5623 | 0.691 | ug/l | | 98 |
| 61) Pentachloroethane | 11.433 | 117 | 4240 | 0.689 | ug/l | | 96 |
| 62) Hexachloroethane | 12.484 | 117 | 4772 | 0.684 | ug/l | | 96 |
| 63) Ethyl Benzene | 9.578 | 91 | 27554 | 0.716 | ug/l | | 94 |
| 64) m/p-Xylenes | 9.700 | 106 | 20967 | 1.404 | ug/l | | 99 |
| 65) o-Xylene | 10.105 | 106 | 10227 | 0.701 | ug/l | | 95 |
| 66) Styrene | 10.121 | 104 | 17339 | 0.692 | ug/l | | 99 |
| 67) Bromoform | 10.298 | 173 | 2859 | 0.646 | ug/l | # | 94 |
| 69) Isopropylbenzene | 10.491 | 105 | 27806 | 0.696 | ug/l | | 98 |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83 | 5726 | 0.716 | ug/l | | 99 |
| 71) 1,2,3-Trichloropropane | 10.835 | 75 | 4532m | 0.718 | ug/l | | |
| 72) Bromobenzene | 10.790 | 156 | 7007 | 0.752 | ug/l | | 97 |
| 73) n-propylbenzene | 10.912 | 120 | 7699 | 0.703 | ug/l | | 99 |
| 74) 2-Chlorotoluene | 10.992 | 126 | 6511 | 0.690 | ug/l | | 98 |
| 75) 1,3,5-Trimethylbenzene | 11.095 | 105 | 23614 | 0.691 | ug/l | | 99 |
| 76) 4-Chlorotoluene | 11.105 | 126 | 6659 | 0.671 | ug/l | | 89 |
| 77) tert-Butylbenzene | 11.426 | 119 | 24487 | 0.713 | ug/l | | 99 |
| 78) 1,2,4-Trimethylbenzene | 11.475 | 105 | 24239 | 0.701 | ug/l | | 100 |
| 79) sec-Butylbenzene | 11.651 | 105 | 31961 | 0.702 | ug/l | | 100 |
| 80) Nitrobenzene | 13.221 | 77 | 872 | 2.660 | ug/l | # | 84 |
| 81) p-Isopropyltoluene | 11.799 | 119 | 26786 | 0.695 | ug/l | | 99 |
| 82) 1,3-Dichlorobenzene | 11.751 | 146 | 13749 | 0.724 | ug/l | | 98 |
| 83) 1,4-Dichlorobenzene | 11.844 | 146 | 13949 | 0.739 | ug/l | | 98 |
| 84) n-Butylbenzene | 12.214 | 91 | 24801 | 0.672 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.217 | 146 | 12815 | 0.712 | ug/l | | 98 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.002 | 75 | 1001 | 0.657 | ug/l | | 94 |
| 87) 1,2,4-Trichlorobenzene | 13.848 | 180 | 8889 | 0.689 | ug/l | | 96 |
| 88) Hexachlorobutadiene | 14.028 | 225 | 4694 | 0.709 | ug/l | | 97 |
| 89) Naphthalene | 14.095 | 128 | 17071 | 0.703 | ug/l | | 100 |
| 90) 1,2,3-Trichlorobenzene | 14.336 | 180 | 8432 | 0.740 | ug/l | | 97 |

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

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