Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
Data File : VU042533.D
Acq On : 09 Mar 2021 10:55
Operator : SY/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 06:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 10 05:59:54 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**
SAM
3/12/2021 5:19:01 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.124 | 96 | 19592 | 1.00 | ug/l | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 57) 4-Bromofluorobenzene | 10.642 | 95 | 8719 | 1.11 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 111.00% | | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.201 | 152 | 8557 | 1.07 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 107.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 8580 | 1.11 | ug/l | | 100 |
| 3) Chloromethane | 1.527 | 50 | 7581 | 1.07 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.607 | 62 | 7185 | 1.07 | ug/l | | 99 |
| 5) Bromomethane | 1.864 | 94 | 4605 | 1.32 | ug/l | | 94 |
| 6) Chloroethane | 1.938 | 64 | 4490 | 1.17 | ug/l | | 95 |
| 7) Trichlorofluoromethane | 2.147 | 101 | 11935 | 1.23 | ug/l | | 96 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591 | 101 | 6195 | 1.21 | ug/l | | 98 |
| 9) 1,1-Dichloroethene | 2.591 | 96 | 4982 | 1.08 | ug/l | | 98 |
| 10) Iodomethane | 2.732 | 142 | 8350 | 1.23 | ug/l | | 96 |
| 11) Allyl Chloride | 2.932 | 41 | 9876 | 1.06 | ug/l | | 97 |
| 12) Acrylonitrile | 3.327 | 53 | 2484 | 2.19 | ug/l | # | 88 |
| 13) Acetone | 2.636 | 43 | 3674 | 4.83 | ug/l | | 92 |
| 14) Carbon Disulfide | 2.800 | 76 | 16983 | 1.13 | ug/l | | 99 |
| 15) Methylene Chloride | 3.054 | 84 | 6186 | 1.08 | ug/l | | 98 |
| 16) trans-1,2-Dichloroethene | 3.362 | 96 | 5735 | 1.16 | ug/l | | 98 |
| 17) 1,1-Dichloroethane | 3.880 | 63 | 11229 | 1.14 | ug/l | | 99 |
| 18) 2-Butanone | 4.735 | 43 | 8102 | 5.33 | ug/l | | 100 |
| 19) Cyclohexane | 5.395 | 56 | 10267m | 1.06 | ug/l | | |
| 20) Methylcyclohexane | 6.767 | 83 | 8422 | 0.85 | ug/l | | 98 |
| 21) 2,2-Dichloropropane | 4.678 | 77 | 10462 | 1.12 | ug/l | | 97 |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 6079 | 1.11 | ug/l | | 98 |
| 23) Diethyl Ether | 2.382 | 59 | 4364 | 1.16 | ug/l | | 95 |
| 24) tert-Butyl Alcohol | 3.211 | 59 | 2537 | 9.17 | ug/l | # | 82 |
| 25) Methyl tert-Butyl Ether | 3.382 | 73 | 14808 | 1.09 | ug/l | | 94 |
| 26) Bromochloromethane | 4.986 | 128 | 3111 | 1.24 | ug/l | | 92 |
| 27) Chloroform | 5.099 | 83 | 11401 | 1.16 | ug/l | | 98 |
| 28) 1,1,1-Trichloroethane | 5.321 | 97 | 11140 | 1.22 | ug/l | | 98 |
| 29) 1,1-Dichloropropene | 5.533 | 75 | 7702 | 0.95 | ug/l | | 97 |
| 30) Carbon Tetrachloride | 5.533 | 117 | 8786 | 1.04 | ug/l | | 94 |
| 31) Isopropyl Ether | 4.012 | 45 | 20032 | 1.10 | ug/l | | 100 |
| 32) Ethyl-t-butyl ether | 4.523 | 59 | 16832 | 1.03 | ug/l | | 94 |
| 33) Tert-Amyl methyl ether | 5.960 | 73 | 13368 | 0.90 | ug/l | # | 91 |
| 34) Propionitrile | 4.800 | 54 | 1588 | 4.17 | ug/l | # | 87 |
| 35) Benzene | 5.784 | 78 | 21291 | 0.98 | ug/l | | 98 |
| 36) 1,2-Dichloroethane | 5.806 | 62 | 8177 | 1.03 | ug/l | # | 95 |
| 37) Trichloroethene | 6.552 | 130 | 6537 | 1.11 | ug/l | | 96 |
| 38) 1,2-Dichloropropane | 6.803 | 63 | 5734 | 0.97 | ug/l | | 96 |
| 39) Methacrylonitrile | 4.996 | 41 | 2294 | 1.00 | ug/l | # | 83 |
| 40) Methyl acrylate | 4.864 | 55 | 3535 | 1.15 | ug/l | # | 87 |
| 41) Tetrahydrofuran | 5.076 | 42 | 2260 | 2.33 | ug/l | | 95 |
| 42) 1-Chlorobutane | 5.468 | 56 | 11687 | 0.98 | ug/l | | 96 |
| 43) Dibromomethane | 6.928 | 93 | 3434 | 1.08 | ug/l | | 99 |
| 44) Bromodichloromethane | 7.118 | 83 | 7562 | 0.98 | ug/l | | 98 |

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.812 | 43 | 24123 | 4.63 | ug/l | | 99 |
| 46) t-1,4-Dichloro-2-butene | 10.844 | 75 | 2759m | 1.67 | ug/l | | |
| 47) Methyl methacrylate | 6.980 | 69 | 6082 | 1.89 | ug/l | | 96 |
| 48) Ethyl methacrylate | 8.346 | 69 | 5845 | 0.86 | ug/l | | 96 |
| 49) Toluene | 7.976 | 92 | 13211 | 0.96 | ug/l | | 100 |
| 50) t-1,3-Dichloropropene | 8.221 | 75 | 6921 | 0.89 | ug/l | | 100 |
| 51) cis-1,3-Dichloropropene | 7.620 | 75 | 7743 | 0.89 | ug/l | | 93 |
| 52) 1,1,2-Trichloroethane | 8.411 | 97 | 4234 | 0.98 | ug/l | | 94 |
| 53) 1,3-Dichloropropane | 8.587 | 76 | 7977 | 1.02 | ug/l | | 98 |
| 54) 2-Hexanone | 8.706 | 43 | 17234 | 4.56 | ug/l | | 98 |
| 55) Dibromochloromethane | 8.819 | 129 | 5543 | 1.06 | ug/l | | 96 |
| 56) 1,2-Dibromoethane | 8.935 | 107 | 4419 | 1.03 | ug/l | | 99 |
| 58) Tetrachloroethene | 8.558 | 164 | 6210 | 1.18 | ug/l | | 95 |
| 59) Chlorobenzene | 9.455 | 112 | 13947 | 0.93 | ug/l | | 99 |
| 60) 1,1,1,2-Tetrachloroethane | 9.542 | 131 | 5417 | 0.96 | ug/l | | 99 |
| 61) Pentachloroethane | 11.436 | 117 | 4349 | 0.98 | ug/l | | 100 |
| 62) Hexachloroethane | 12.484 | 117 | 4294 | 0.97 | ug/l | | 92 |
| 63) Ethyl Benzene | 9.578 | 91 | 24305 | 0.90 | ug/l | | 96 |
| 64) m/p-Xylenes | 9.703 | 106 | 18042 | 1.78 | ug/l | | 98 |
| 65) o-Xylene | 10.108 | 106 | 9137 | 0.92 | ug/l | | 95 |
| 66) Styrene | 10.124 | 104 | 14686 | 0.87 | ug/l | | 98 |
| 67) Bromoform | 10.301 | 173 | 3172 | 0.95 | ug/l | # | 97 |
| 69) Isopropylbenzene | 10.494 | 105 | 24200 | 0.90 | ug/l | | 98 |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83 | 6014 | 1.05 | ug/l | # | 95 |
| 71) 1,2,3-Trichloropropane | 10.838 | 75 | 5613m | 1.24 | ug/l | | |
| 72) Bromobenzene | 10.790 | 156 | 6791 | 0.99 | ug/l | | 99 |
| 73) n-propylbenzene | 10.915 | 120 | 6398 | 0.89 | ug/l | | 99 |
| 74) 2-Chlorotoluene | 10.996 | 126 | 5911 | 0.92 | ug/l | | 99 |
| 75) 1,3,5-Trimethylbenzene | 11.095 | 105 | 20391 | 0.86 | ug/l | | 95 |
| 76) 4-Chlorotoluene | 11.105 | 126 | 5828 | 0.89 | ug/l | | 90 |
| 77) tert-Butylbenzene | 11.430 | 119 | 21457 | 0.92 | ug/l | | 100 |
| 78) 1,2,4-Trimethylbenzene | 11.475 | 105 | 20867 | 0.88 | ug/l | | 99 |
| 79) sec-Butylbenzene | 11.652 | 105 | 26962 | 0.89 | ug/l | | 100 |
| 80) Nitrobenzene | 13.224 | 77 | 590m | 3.72 | ug/l | | |
| 81) p-Isopropyltoluene | 11.803 | 119 | 22843 | 0.89 | ug/l | | 98 |
| 82) 1,3-Dichlorobenzene | 11.754 | 146 | 13283 | 1.02 | ug/l | | 97 |
| 83) 1,4-Dichlorobenzene | 11.844 | 146 | 13365 | 1.02 | ug/l | | 98 |
| 84) n-Butylbenzene | 12.217 | 91 | 20223 | 0.82 | ug/l | | 97 |
| 85) 1,2-Dichlorobenzene | 12.221 | 146 | 13092 | 1.03 | ug/l | | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.012 | 75 | 982 | 0.84 | ug/l | | 89 |
| 87) 1,2,4-Trichlorobenzene | 13.851 | 180 | 8251 | 0.86 | ug/l | | 99 |
| 88) Hexachlorobutadiene | 14.028 | 225 | 5686 | 1.03 | ug/l | | 96 |
| 89) Naphthalene | 14.098 | 128 | 12447 | 0.70 | ug/l | # | 96 |
| 90) 1,2,3-Trichlorobenzene | 14.340 | 180 | 7954 | 0.90 | ug/l | | 97 |

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

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