Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072920\
Data File : VU039714.D
Acq On : 29 Jul 2020 20:24
Operator : SY/MD
Sample : VU0729WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VU0729WBSD01

**Manual Integrations APPROVED**

Quant Time: Jul 31 14:12:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 14:06:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene | 6.12 | 96 | 20622 | 1.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 57) 4-Bromofluorobenzene | 10.63 | 95 | 7080 | 0.88 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 88.00% | | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 7204 | 0.91 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 91.00% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 12616 | 1.761 | ug/l | | 96 |
| 3) Chloromethane | 1.53 | 50 | 18229 | 2.048 | ug/l | | 96 |
| 4) Vinyl Chloride | 1.61 | 62 | 15918 | 1.940 | ug/l | | 99 |
| 5) Bromomethane | 1.86 | 94 | 10188 | 1.816 | ug/l | | 95 |
| 6) Chloroethane | 1.94 | 64 | 11801 | 2.073 | ug/l | | 98 |
| 7) Trichlorofluoromethane | 2.15 | 101 | 22213 | 2.047 | ug/l | | 97 |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 11769 | 1.890 | ug/l | | 99 |
| 9) 1,1-Dichloroethene | 2.59 | 96 | 10876 | 1.898 | ug/l | | 94 |
| 10) Iodomethane | 2.73 | 142 | 13055 | 2.259 | ug/l | | 99 |
| 11) Allyl Chloride | 2.93 | 41 | 22851 | 1.849 | ug/l | | 94 |
| 12) Acrylonitrile | 3.35 | 53 | 9081 | 4.515 | ug/l | # | 89 |
| 13) Acetone | 2.66 | 43 | 19448 | 10.277 | ug/l | | 95 |
| 14) Carbon Disulfide | 2.80 | 76 | 38906 | 1.852 | ug/l | | 96 |
| 15) Methylene Chloride | 3.06 | 84 | 14714 | 1.842 | ug/l | | 97 |
| 16) trans-1,2-Dichloroethene | 3.37 | 96 | 12005 | 1.843 | ug/l | | 98 |
| 17) 1,1-Dichloroethane | 3.89 | 63 | 27206 | 1.902 | ug/l | | 99 |
| 18) 2-Butanone | 4.76 | 43 | 30926 | 9.718 | ug/l | | 99 |
| 19) Cyclohexane | 5.39 | 56 | 25113m | 1.814 | ug/l | | |
| 20) Methylcyclohexane | 6.77 | 83 | 16497 | 1.608 | ug/l | | 97 |
| 21) 2,2-Dichloropropane | 4.68 | 77 | 20303 | 1.740 | ug/l | | 99 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 13324 | 1.898 | ug/l | | 97 |
| 23) Diethyl Ether | 2.39 | 59 | 11084 | 1.892 | ug/l | | 91 |
| 24) tert-Butyl Alcohol | 3.29 | 59 | 15460m | 15.090 | ug/l | | |
| 25) Methyl tert-Butyl Ether | 3.39 | 73 | 35744 | 1.912 | ug/l | | 98 |
| 26) Bromochloromethane | 5.00 | 128 | 5802 | 2.020 | ug/l | | 94 |
| 27) Chloroform | 5.11 | 83 | 25645 | 1.916 | ug/l | | 98 |
| 28) 1,1,1-Trichloroethane | 5.33 | 97 | 20833 | 1.923 | ug/l | | 99 |
| 29) 1,1-Dichloropropene | 5.54 | 75 | 19925 | 1.910 | ug/l | | 99 |
| 30) Carbon Tetrachloride | 5.53 | 117 | 16922 | 1.910 | ug/l | | 96 |
| 31) Isopropyl Ether | 4.02 | 45 | 50093 | 1.920 | ug/l | | 99 |
| 32) Ethyl-t-butyl ether | 4.53 | 59 | 41279 | 1.859 | ug/l | | 99 |
| 33) Tert-Amyl methyl ether | 5.97 | 73 | 27963 | 1.747 | ug/l | | 99 |
| 34) Propionitrile | 4.84 | 54 | 7895m | 10.057 | ug/l | | |
| 35) Benzene | 5.78 | 78 | 49673 | 1.925 | ug/l | | 98 |
| 36) 1,2-Dichloroethane | 5.81 | 62 | 18168 | 1.878 | ug/l | | 100 |
| 37) Trichloroethene | 6.55 | 130 | 10703 | 1.813 | ug/l | | 98 |
| 38) 1,2-Dichloropropane | 6.81 | 63 | 13303 | 1.871 | ug/l | | 95 |
| 39) Methacrylonitrile | 5.01 | 41 | 8115 | 1.962 | ug/l | | 94 |
| 40) Methyl acrylate | 4.88 | 55 | 12645 | 2.370 | ug/l | # | 90 |
| 41) Tetrahydrofuran | 5.10 | 42 | 9204 | 4.422 | ug/l | # | 78 |
| 42) 1-Chlorobutane | 5.47 | 56 | 30580 | 1.868 | ug/l | | 98 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VU0729WBSD01

**Manual Integrations APPROVED**

Quant Time: Jul 31 14:12:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 14:06:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 43) Dibromomethane | 6.93 | 93 | 7128 | 1.863 ug/l | | 98 |
| 44) Bromodichloromethane | 7.12 | 83 | 15599 | 1.778 ug/l | | 99 |
| 45) 4-Methyl-2-Pentanone | 7.82 | 43 | 52624 | 9.078 ug/l | | 97 |
| 46) t-1,4-Dichloro-2-butene | 10.83 | 75 | 5490m | 3.184 ug/l | | |
| 47) Methyl methacrylate | 6.98 | 69 | 12885 | 3.610 ug/l | | 97 |
| 48) Ethyl methacrylate | 8.35 | 69 | 11358 | 1.729 ug/l | | 97 |
| 49) Toluene | 7.98 | 92 | 26896 | 1.751 ug/l | | 97 |
| 50) t-1,3-Dichloropropene | 8.22 | 75 | 12988 | 1.643 ug/l | | 91 |
| 51) cis-1,3-Dichloropropene | 7.62 | 75 | 15571 | 1.676 ug/l | | 93 |
| 52) 1,1,2-Trichloroethane | 8.41 | 97 | 9189 | 1.848 ug/l | | 96 |
| 53) 1,3-Dichloropropane | 8.58 | 76 | 17748 | 1.859 ug/l | | 98 |
| 54) 2-Hexanone | 8.70 | 43 | 36485 | 8.790 ug/l | | 98 |
| 55) Dibromochloromethane | 8.82 | 129 | 9377 | 1.756 ug/l | | 99 |
| 56) 1,2-Dibromoethane | 8.93 | 107 | 9010 | 1.881 ug/l | | 100 |
| 58) Tetrachloroethene | 8.56 | 164 | 9276 | 1.795 ug/l | | 95 |
| 59) Chlorobenzene | 9.45 | 112 | 27306 | 1.719 ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.54 | 131 | 9516 | 1.777 ug/l | | 99 |
| 61) Pentachloroethane | 11.42 | 117 | 7870 | 1.673 ug/l | | 94 |
| 62) Hexachloroethane | 12.47 | 117 | 6680 | 1.549 ug/l | | 94 |
| 63) Ethyl Benzene | 9.57 | 91 | 46559 | 1.636 ug/l | | 99 |
| 64) m/p-Xylenes | 9.70 | 106 | 36705 | 3.301 ug/l | | 99 |
| 65) o-Xylene | 10.10 | 106 | 17576 | 1.665 ug/l | | 100 |
| 66) Styrene | 10.11 | 104 | 29462 | 1.628 ug/l | | 99 |
| 67) Bromoform | 10.29 | 173 | 4586 | 1.684 ug/l | # | 96 |
| 69) Isopropylbenzene | 10.48 | 105 | 46085 | 1.634 ug/l | | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.79 | 83 | 12975 | 1.813 ug/l | | 99 |
| 71) 1,2,3-Trichloropropane | 10.83 | 75 | 10714m | 1.987 ug/l | | |
| 72) Bromobenzene | 10.78 | 156 | 11073 | 1.729 ug/l | | 95 |
| 73) n-propylbenzene | 10.91 | 120 | 12935 | 1.631 ug/l | | 94 |
| 74) 2-Chlorotoluene | 10.99 | 126 | 11295 | 1.686 ug/l | | 98 |
| 75) 1,3,5-Trimethylbenzene | 11.09 | 105 | 40062 | 1.643 ug/l | | 99 |
| 76) 4-Chlorotoluene | 11.10 | 126 | 12168 | 1.754 ug/l | | 92 |
| 77) tert-Butylbenzene | 11.42 | 119 | 38058 | 1.627 ug/l | | 99 |
| 78) 1,2,4-Trimethylbenzene | 11.47 | 105 | 40844 | 1.634 ug/l | | 100 |
| 79) sec-Butylbenzene | 11.64 | 105 | 53912 | 1.620 ug/l | | 100 |
| 80) Nitrobenzene | 13.20 | 77 | 888 | 7.332 ug/l | # | 65 |
| 81) p-Isopropyltoluene | 11.79 | 119 | 41878 | 1.561 ug/l | | 99 |
| 82) 1,3-Dichlorobenzene | 11.74 | 146 | 23088 | 1.675 ug/l | | 99 |
| 83) 1,4-Dichlorobenzene | 11.83 | 146 | 23435 | 1.690 ug/l | | 99 |
| 84) n-Butylbenzene | 12.20 | 91 | 42048 | 1.476 ug/l | | 98 |
| 85) 1,2-Dichlorobenzene | 12.21 | 146 | 22184 | 1.670 ug/l | | 98 |
| 86) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 2053 | 1.703 ug/l | | 94 |
| 87) 1,2,4-Trichlorobenzene | 13.83 | 180 | 12482 | 1.502 ug/l | | 98 |
| 88) Hexachlorobutadiene | 14.01 | 225 | 5913 | 1.567 ug/l | | 98 |
| 89) Naphthalene | 14.08 | 128 | 26669 | 1.500 ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.32 | 180 | 12422 | 1.584 ug/l | | 98 |

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

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MSVOA_U
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