Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
Data File : VU029359.D
Acq On : 06 Feb 2019 12:44
Operator : JC/SP
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations APPROVED
sam
2/8/2019 2:27:31 PM

Quant Time: Feb 08 12:32:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene | 5.74 | 96 | 50794 | 1.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 57) 4-Bromofluorobenzene | 10.31 | 95 | 19314 | 0.97 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 97.00% | | | | |
| 68) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 20140 | 0.99 | ug/l | | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 99.00% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.21 | 85 | 4488 | 0.237 | ug/l | | 96 |
| 3) Chloromethane | 1.33 | 50 | 4792 | 0.277 | ug/l | | 88 |
| 4) Vinyl Chloride | 1.40 | 62 | 4602 | 0.227 | ug/l | # | 87 |
| 5) Bromomethane | 1.63 | 94 | 3619 | 0.320 | ug/l | | 93 |
| 6) Chloroethane | 1.70 | 64 | 3225 | 0.272 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 1.88 | 101 | 7364 | 0.260 | ug/l | | 94 |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 4167 | 0.278 | ug/l | | 90 |
| 9) 1,1-Dichloroethene | 2.28 | 96 | 3590 | 0.245 | ug/l | | 81 |
| 10) Iodomethane | 2.41 | 142 | 3137 | 0.439 | ug/l | # | 81 |
| 11) Allyl Chloride | 2.59 | 41 | 6212 | 0.253 | ug/l | | 91 |
| 12) Acrylonitrile | 2.93 | 53 | 1899 | 0.578 | ug/l | | 91 |
| 13) Acetone | 2.32 | 43 | 4843 | 1.530 | ug/l | | 95 |
| 14) Carbon Disulfide | 2.48 | 76 | 13702 | 0.265 | ug/l | # | 95 |
| 15) Methylene Chloride | 2.70 | 84 | 5690 | 0.320 | ug/l | # | 77 |
| 16) trans-1,2-Dichloroethene | 2.98 | 96 | 4594 | 0.280 | ug/l | # | 72 |
| 17) 1,1-Dichloroethane | 3.44 | 63 | 8267 | 0.318 | ug/l | # | 91 |
| 18) 2-Butanone | 4.29 | 43 | 3185 | 0.900 | ug/l | | 92 |
| 19) Cyclohexane | 4.98 | 56 | 6381m | 0.265 | ug/l | | |
| 20) Methylcyclohexane | 6.41 | 83 | 6081 | 0.240 | ug/l | # | 84 |
| 21) 2,2-Dichloropropane | 4.22 | 77 | 7397 | 0.308 | ug/l | # | 81 |
| 22) cis-1,2-Dichloroethene | 4.23 | 96 | 4397 | 0.285 | ug/l | | 68 |
| 23) Diethyl Ether | 2.11 | 59 | 3088 | 0.262 | ug/l | | 89 |
| 24) tert-Butyl Alcohol | 2.84 | 59 | 4876 | 3.988 | ug/l | # | 80 |
| 25) Methyl tert-Butyl Ether | 3.00 | 73 | 10247 | 0.248 | ug/l | # | 79 |
| 26) Bromochloromethane | 4.55 | 128 | 1733 | 0.254 | ug/l | | 69 |
| 27) Chloroform | 4.68 | 83 | 6007 | 0.238 | ug/l | | 96 |
| 28) 1,1,1-Trichloroethane | 4.91 | 97 | 6355 | 0.272 | ug/l | | 90 |
| 29) 1,1-Dichloropropene | 5.13 | 75 | 4870 | 0.240 | ug/l | # | 86 |
| 30) Carbon Tetrachloride | 5.13 | 117 | 5255 | 0.248 | ug/l | | 92 |
| 31) Isopropyl Ether | 3.58 | 45 | 8802 | 0.225 | ug/l | | 91 |
| 32) Ethyl-t-butyl ether | 4.07 | 59 | 8752 | 0.223 | ug/l | # | 85 |
| 33) Tert-Amyl methyl ether | 5.59 | 73 | 9324 | 0.263 | ug/l | # | 93 |
| 35) Benzene | 5.38 | 78 | 13300 | 0.237 | ug/l | | 98 |
| 36) 1,2-Dichloroethane | 5.41 | 62 | 3664 | 0.216 | ug/l | # | 89 |
| 37) Trichloroethene | 6.18 | 130 | 3785 | 0.235 | ug/l | # | 78 |
| 38) 1,2-Dichloropropane | 6.43 | 63 | 3392 | 0.232 | ug/l | | 92 |
| 41) Tetrahydrofuran | 4.66 | 42 | 1261m | 0.526 | ug/l | | |
| 42) 1-Chlorobutane | 5.06 | 56 | 5997 | 0.220 | ug/l | | 85 |
| 43) Dibromomethane | 6.56 | 93 | 1811 | 0.232 | ug/l | | 96 |
| 44) Bromodichloromethane | 6.76 | 83 | 4474 | 0.225 | ug/l | | 98 |
| 45) 4-Methyl-2-Pentanone | 7.47 | 43 | 9791 | 1.072 | ug/l | # | 83 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) t-1,4-Dichloro-2-butene | 10.53 | 75 | 1155m | 0.260 ug/l | | |
| 47) Methyl methacrylate | 6.64 | 69 | 2306 | 0.336 ug/l | # | 83 |
| 48) Ethyl methacrylate | 8.03 | 69 | 2887 | 0.196 ug/l | | 89 |
| 49) Toluene | 7.63 | 92 | 8260 | 0.230 ug/l | | 95 |
| 50) t-1,3-Dichloropropene | 7.88 | 75 | 4286 | 0.220 ug/l | # | 88 |
| 51) cis-1,3-Dichloropropene | 7.27 | 75 | 5119 | 0.221 ug/l | | 90 |
| 52) 1,1,2-Trichloroethane | 8.07 | 97 | 2198 | 0.213 ug/l | | 93 |
| 53) 1,3-Dichloropropane | 8.24 | 76 | 4005 | 0.221 ug/l | | 93 |
| 54) 2-Hexanone | 8.37 | 43 | 6443 | 1.007 ug/l | | 83 |
| 55) Dibromochloromethane | 8.48 | 129 | 3633 | 0.248 ug/l | | 98 |
| 56) 1,2-Dibromoethane | 8.59 | 107 | 2623 | 0.248 ug/l | | 96 |
| 58) Tetrachloroethene | 8.22 | 164 | 3869 | 0.258 ug/l | | 92 |
| 59) Chlorobenzene | 9.12 | 112 | 10299 | 0.254 ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.21 | 131 | 3908 | 0.261 ug/l | | 99 |
| 61) Pentachloroethane | 11.10 | 117 | 2916 | 0.251 ug/l | | 100 |
| 62) Hexachloroethane | 12.14 | 117 | 2670 | 0.211 ug/l | | 100 |
| 63) Ethyl Benzene | 9.25 | 91 | 17440 | 0.248 ug/l | | 96 |
| 64) m/p-Xylenes | 9.38 | 106 | 12810 | 0.469 ug/l | | 87 |
| 65) o-Xylene | 9.78 | 106 | 6399 | 0.238 ug/l | | 83 |
| 66) Styrene | 9.79 | 104 | 10740 | 0.240 ug/l | | 90 |
| 67) Bromoform | 9.96 | 173 | 2147 | 0.235 ug/l | # | 96 |
| 69) Isopropylbenzene | 10.17 | 105 | 17293 | 0.241 ug/l | | 97 |
| 70) 1,1,2,2-Tetrachloroethane | 10.46 | 83 | 3285 | 0.249 ug/l | # | 93 |
| 71) 1,2,3-Trichloropropane | 10.49 | 75 | 2469m | 0.272 ug/l | | |
| 72) Bromobenzene | 10.46 | 156 | 4289 | 0.247 ug/l | | 94 |
| 73) n-propylbenzene | 10.59 | 120 | 4687 | 0.235 ug/l | | 81 |
| 74) 2-Chlorotoluene | 10.66 | 126 | 4091 | 0.241 ug/l | | 79 |
| 75) 1,3,5-Trimethylbenzene | 10.77 | 105 | 14610 | 0.236 ug/l | | 99 |
| 76) 4-Chlorotoluene | 10.77 | 126 | 4697 | 0.266 ug/l | | 57 |
| 77) tert-Butylbenzene | 11.10 | 119 | 14560 | 0.238 ug/l | | 97 |
| 78) 1,2,4-Trimethylbenzene | 11.15 | 105 | 14764 | 0.236 ug/l | | 92 |
| 79) sec-Butylbenzene | 11.32 | 105 | 19288 | 0.241 ug/l | | 98 |
| 81) p-Isopropyltoluene | 11.48 | 119 | 15381 | 0.227 ug/l | | 96 |
| 82) 1,3-Dichlorobenzene | 11.42 | 146 | 8252 | 0.242 ug/l | | 95 |
| 83) 1,4-Dichlorobenzene | 11.51 | 146 | 8114 | 0.239 ug/l | | 98 |
| 84) n-Butylbenzene | 11.89 | 91 | 14815 | 0.238 ug/l | | 98 |
| 85) 1,2-Dichlorobenzene | 11.88 | 146 | 7499 | 0.233 ug/l | | 97 |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75 | 533 | 0.216 ug/l | | 87 |
| 87) 1,2,4-Trichlorobenzene | 13.51 | 180 | 4933 | 0.218 ug/l | | 95 |
| 88) Hexachlorobutadiene | 13.69 | 225 | 3358 | 0.256 ug/l | | 96 |
| 89) Naphthalene | 13.75 | 128 | 6716 | 0.175 ug/l | | 99 |
| 90) 1,2,3-Trichlorobenzene | 13.99 | 180 | 4509 | 0.218 ug/l | | 92 |

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

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