Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022021\
Data File : VU042371.D
Acq On : 19 Feb 2021 18:59
Operator : SY/MD
Sample : MDL07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 20 01:55:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 20 01:54:00 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDadoda
2/22/2021 12:34:08 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.382 | 168 | 133903 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.259 | 114 | 210690 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.427 | 117 | 194439 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.822 | 152 | 92459 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.710 | 65 | 110053 | 54.20 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.40% | | | | |
| 35) Dibromofluoromethane | 5.298 | 113 | 75245 | 50.60 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.20% | | | | |
| 50) Toluene-d8 | 7.906 | 98 | 266493 | 50.04 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.08% | | | | |
| 62) 4-Bromofluorobenzene | 10.639 | 95 | 96514 | 45.98 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.96% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 580 | 0.36 | ug/l | | 95 |
| 3) Chloromethane | 1.523 | 50 | 992 | 0.60 | ug/l | | 94 |
| 4) Vinyl Chloride | 1.607 | 62 | 716 | 0.45 | ug/l | # | 82 |
| 5) Bromomethane | 1.864 | 94 | 721 | 0.74 | ug/l | # | 80 |
| 6) Chloroethane | 1.938 | 64 | 647 | 0.71 | ug/l | | 91 |
| 7) Trichlorofluoromethane | 2.144 | 101 | 1117 | 0.46 | ug/l | | 99 |
| 8) Diethyl Ether | 2.385 | 74 | 472 | 0.61 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.588 | 101 | 589 | 0.47 | ug/l | # | 88 |
| 10) Methyl Iodide | 2.736 | 142 | 671 | 0.37 | ug/l | # | 89 |
| 11) Tert butyl alcohol | 3.266 | 59 | 1405m | 3.24 | ug/l | | |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 671 | 0.54 | ug/l | # | 69 |
| 13) Acrolein | 2.504 | 56 | 724 | 2.73 | ug/l | | 98 |
| 14) Allyl chloride | 2.928 | 41 | 1338 | 0.49 | ug/l | | 91 |
| 15) Acrylonitrile | 3.337 | 53 | 2294 | 2.19 | ug/l | | 90 |
| 16) Acetone | 2.652 | 43 | 2938 | 2.33 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.800 | 76 | 1729 | 0.47 | ug/l | # | 93 |
| 18) Methyl Acetate | 2.961 | 43 | 1175 | 0.51 | ug/l | # | 74 |
| 19) Methyl tert-butyl Ether | 3.379 | 73 | 2192 | 0.47 | ug/l | | 98 |
| 20) Methylene Chloride | 3.054 | 84 | 894 | 0.62 | ug/l | # | 87 |
| 21) trans-1,2-Dichloroethene | 3.362 | 96 | 579 | 0.44 | ug/l | | 90 |
| 22) Diisopropyl ether | 4.006 | 45 | 2230 | 0.43 | ug/l | | 87 |
| 23) Vinyl Acetate | 3.970 | 43 | 10726 | 2.17 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.880 | 63 | 1202 | 0.45 | ug/l | # | 84 |
| 25) 2-Butanone | 4.732 | 43 | 3313 | 1.98 | ug/l | | 96 |
| 26) 2,2-Dichloropropane | 4.671 | 77 | 1161 | 0.47 | ug/l | # | 63 |
| 27) cis-1,2-Dichloroethene | 4.681 | 96 | 632 | 0.41 | ug/l | | 71 |
| 28) Bromochloromethane | 4.977 | 49 | 581 | 0.42 | ug/l | # | 66 |
| 29) Tetrahydrofuran | 5.079 | 42 | 2343 | 2.25 | ug/l | # | 79 |
| 30) Chloroform | 5.099 | 83 | 1327 | 0.48 | ug/l | | 92 |
| 31) Cyclohexane | 5.382 | 56 | 4015 | 1.51 | ug/l | # | 24 |
| 32) 1,1,1-Trichloroethane | 5.317 | 97 | 1155m | 0.46 | ug/l | | |
| 36) 1,1-Dichloropropene | 5.536 | 75 | 950 | 0.46 | ug/l | # | 85 |
| 37) Ethyl Acetate | 4.822 | 43 | 1704m | 0.53 | ug/l | | |
| 38) Carbon Tetrachloride | 5.536 | 117 | 1012 | 0.45 | ug/l | # | 77 |
| 39) Methylcyclohexane | 6.767 | 83 | 1018 | 0.42 | ug/l | | 90 |
| 40) Benzene | 5.787 | 78 | 2862 | 0.49 | ug/l | | 92 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.986 | 41 | 520 | 0.31 | ug/l | # | 56 |
| 42) 1,2-Dichloroethane | 5.806 | 62 | 1448 | 0.57 | ug/l | # | 79 |
| 43) Isopropyl Acetate | 5.922 | 43 | 2085 | 0.44 | ug/l | # | 81 |
| 44) Trichloroethene | 6.555 | 130 | 593 | 0.38 | ug/l | | 84 |
| 45) 1,2-Dichloropropane | 6.790 | 63 | 630m | 0.39 | ug/l | | |
| 46) Dibromomethane | 6.922 | 93 | 474 | 0.42 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.115 | 83 | 894 | 0.40 | ug/l | # | 91 |
| 48) Methyl methacrylate | 6.970 | 41 | 1039 | 0.44 | ug/l | | 89 |
| 49) 1,4-Dioxane | 7.015 | 88 | 113 | 2.50 | ug/l | # | 12 |
| 51) 4-Methyl-2-Pentanone | 7.806 | 43 | 6989 | 2.17 | ug/l | | 94 |
| 52) Toluene | 7.976 | 92 | 1650 | 0.46 | ug/l | | 83 |
| 53) t-1,3-Dichloropropene | 8.221 | 75 | 1058 | 0.43 | ug/l | # | 57 |
| 54) cis-1,3-Dichloropropene | 7.620 | 75 | 867 | 0.33 | ug/l | # | 86 |
| 55) 1,1,2-Trichloroethane | 8.411 | 97 | 614 | 0.41 | ug/l | # | 87 |
| 56) Ethyl methacrylate | 8.343 | 69 | 1177 | 0.46 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 8.581 | 76 | 1189 | 0.45 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 7.472 | 63 | 1385 | 1.60 | ug/l | # | 82 |
| 59) 2-Hexanone | 8.703 | 43 | 5210 | 2.02 | ug/l | | 90 |
| 60) Dibromochloromethane | 8.812 | 129 | 687 | 0.39 | ug/l | | 95 |
| 61) 1,2-Dibromoethane | 8.931 | 107 | 619 | 0.36 | ug/l | | 87 |
| 64) Tetrachloroethene | 8.562 | 164 | 742 | 0.51 | ug/l | # | 79 |
| 65) Chlorobenzene | 9.452 | 112 | 1833 | 0.47 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 9.542 | 131 | 580 | 0.39 | ug/l | # | 66 |
| 67) Ethyl Benzene | 9.578 | 91 | 3206 | 0.46 | ug/l | | 92 |
| 68) m/p-Xylenes | 9.703 | 106 | 2147 | 0.83 | ug/l | | 95 |
| 69) o-Xylene | 10.111 | 106 | 936 | 0.37 | ug/l | | 85 |
| 70) Styrene | 10.124 | 104 | 1652 | 0.39 | ug/l | | 96 |
| 71) Bromoform | 10.298 | 173 | 453 | 0.32 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.494 | 105 | 2792 | 0.45 | ug/l | | 97 |
| 74) N-amyl acetate | 10.330 | 43 | 1428 | 0.41 | ug/l | # | 92 |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83 | 1010 | 0.43 | ug/l | # | 91 |
| 76) 1,2,3-Trichloropropane | 10.835 | 75 | 1346m | 0.59 | ug/l | | |
| 77) Bromobenzene | 10.793 | 156 | 641 | 0.39 | ug/l | | 72 |
| 78) n-propylbenzene | 10.912 | 91 | 3109 | 0.44 | ug/l | | 95 |
| 79) 2-Chlorotoluene | 10.992 | 91 | 1962 | 0.45 | ug/l | | 72 |
| 80) 1,3,5-Trimethylbenzene | 11.095 | 105 | 2191 | 0.41 | ug/l | | 95 |
| 81) trans-1,4-Dichloro-2-b... | 10.562 | 75 | 291m | 0.35 | ug/l | | |
| 82) 4-Chlorotoluene | 11.105 | 91 | 2231m | 0.44 | ug/l | | |
| 83) tert-Butylbenzene | 11.426 | 119 | 2259 | 0.44 | ug/l | | 89 |
| 84) 1,2,4-Trimethylbenzene | 11.475 | 105 | 2186 | 0.41 | ug/l | | 90 |
| 85) sec-Butylbenzene | 11.655 | 105 | 2363 | 0.39 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.796 | 119 | 2309 | 0.41 | ug/l | # | 62 |
| 87) 1,3-Dichlorobenzene | 11.751 | 146 | 1368 | 0.48 | ug/l | | 91 |
| 88) 1,4-Dichlorobenzene | 11.844 | 146 | 1556m | 0.53 | ug/l | | |
| 89) n-Butylbenzene | 12.217 | 91 | 1721 | 0.35 | ug/l | | 90 |
| 90) Hexachloroethane | 12.478 | 117 | 303 | 0.31 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 12.221 | 146 | 1523 | 0.52 | ug/l | # | 66 |
| 92) 1,2-Dibromo-3-Chloropr... | 13.008 | 75 | 169 | 0.26 | ug/l | | 78 |
| 93) 1,2,4-Trichlorobenzene | 13.854 | 180 | 607 | 0.34 | ug/l | # | 84 |
| 94) Hexachlorobutadiene | 14.031 | 225 | 317 | 0.31 | ug/l | | 88 |
| 95) Naphthalene | 14.098 | 128 | 1366 | 0.26 | ug/l | # | 73 |
| 96) 1,2,3-Trichlorobenzene | 14.336 | 180 | 464 | 0.26 | ug/l | # | 72 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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