Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
Data File : VD068128.D
Acq On : 21 Jan 2021 13:10
Operator : VA/SY
Sample : VD0121SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 00:07:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0121SBS01

**Manual Integrations APPROVED**
MMDadoda
1/22/2021 5:04:00 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.979 | 168 | 429736 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.867 | 114 | 746923 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.649 | 117 | 671429 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.579 | 152 | 304532 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.332 | 65 | 197282 | 47.99 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 95.98% | | | | |
| 35) Dibromofluoromethane | 7.920 | 113 | 194768 | 47.17 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 94.34% | | | | |
| 50) Toluene-d8 | 10.343 | 98 | 733313 | 44.40 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 88.80% | | | | |
| 62) 4-Bromofluorobenzene | 12.632 | 95 | 269808 | 45.36 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 90.72% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.991 | 85 | 106940 | 20.95 | ug/l | | 99 |
| 3) Chloromethane | 2.209 | 50 | 119432 | 21.73 | ug/l | | 95 |
| 4) Vinyl Chloride | 2.350 | 62 | 134496 | 22.00 | ug/l | | 95 |
| 5) Bromomethane | 2.762 | 94 | 90462 | 21.57 | ug/l | | 99 |
| 6) Chloroethane | 2.926 | 64 | 83970 | 22.48 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 3.273 | 101 | 160213 | 19.96 | ug/l | | 99 |
| 8) Diethyl Ether | 3.714 | 74 | 48327 | 20.45 | ug/l | | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 4.103 | 101 | 95052 | 20.31 | ug/l | | 93 |
| 10) Methyl Iodide | 4.303 | 142 | 91799 | 19.54 | ug/l | | 93 |
| 11) Tert butyl alcohol | 5.203 | 59 | 57300 | 121.94 | ug/l | # | 85 |
| 12) 1,1-Dichloroethene | 4.073 | 96 | 95899 | 20.37 | ug/l | | 92 |
| 13) Acrolein | 3.926 | 56 | 34129 | 105.35 | ug/l | | 92 |
| 14) Allyl chloride | 4.714 | 41 | 141492 | 20.66 | ug/l | | 96 |
| 15) Acrylonitrile | 5.426 | 53 | 102956 | 109.99 | ug/l | | 98 |
| 16) Acetone | 4.161 | 43 | 73758 | 100.48 | ug/l | | 94 |
| 17) Carbon Disulfide | 4.414 | 76 | 307880 | 20.30 | ug/l | | 100 |
| 18) Methyl Acetate | 4.720 | 43 | 40956 | 21.50 | ug/l | | 93 |
| 19) Methyl tert-butyl Ether | 5.479 | 73 | 227770 | 20.93 | ug/l | # | 91 |
| 20) Methylene Chloride | 4.973 | 84 | 117378 | 20.55 | ug/l | | 92 |
| 21) trans-1,2-Dichloroethene | 5.473 | 96 | 110322 | 20.41 | ug/l | | 89 |
| 22) Diisopropyl ether | 6.361 | 45 | 290917 | 21.05 | ug/l | # | 94 |
| 23) Vinyl Acetate | 6.303 | 43 | 790797 | 107.36 | ug/l | # | 93 |
| 24) 1,1-Dichloroethane | 6.267 | 63 | 186550 | 20.83 | ug/l | | 98 |
| 25) 2-Butanone | 7.214 | 43 | 116965 | 105.83 | ug/l | | 94 |
| 26) 2,2-Dichloropropane | 7.208 | 77 | 168104 | 19.84 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 7.208 | 96 | 122106 | 20.81 | ug/l | | 92 |
| 28) Bromochloromethane | 7.550 | 49 | 65998 | 21.64 | ug/l | # | 76 |
| 29) Tetrahydrofuran | 7.555 | 42 | 75686 | 105.64 | ug/l | | 95 |
| 30) Chloroform | 7.708 | 83 | 191472 | 21.16 | ug/l | | 94 |
| 31) Cyclohexane | 7.985 | 56 | 176001 | 19.77 | ug/l | | 93 |
| 32) 1,1,1-Trichloroethane | 7.902 | 97 | 165360 | 20.28 | ug/l | | 95 |
| 36) 1,1-Dichloropropene | 8.114 | 75 | 148206 | 19.68 | ug/l | | 97 |
| 37) Ethyl Acetate | 7.297 | 43 | 58366 | 21.91 | ug/l | | 95 |
| 38) Carbon Tetrachloride | 8.091 | 117 | 140949 | 19.99 | ug/l | | 96 |
| 39) Methylcyclohexane | 9.355 | 83 | 193881 | 19.69 | ug/l | | 99 |
| 40) Benzene | 8.349 | 78 | 430236 | 20.43 | ug/l | | 93 |

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Quant Title : SW846 8260
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.526 | 41 | 28980m | 18.02 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.426 | 62 | 118120 | 20.99 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.449 | 43 | 113341 | 20.41 | ug/l | | 95 |
| 44) Trichloroethene | 9.114 | 130 | 113024 | 19.54 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.391 | 63 | 104685 | 20.30 | ug/l | | 97 |
| 46) Dibromomethane | 9.479 | 93 | 55744 | 21.33 | ug/l | | 92 |
| 47) Bromodichloromethane | 9.661 | 83 | 149067 | 21.14 | ug/l | | 95 |
| 48) Methyl methacrylate | 9.455 | 41 | 53159 | 19.23 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.461 | 88 | 12390 | 404.58 | ug/l | | 88 |
| 51) 4-Methyl-2-Pentanone | 10.232 | 43 | 274921 | 106.51 | ug/l | | 96 |
| 52) Toluene | 10.402 | 92 | 280196 | 20.42 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.620 | 75 | 147640 | 20.69 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 10.091 | 75 | 171770 | 20.22 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 10.802 | 97 | 78014 | 21.07 | ug/l | | 93 |
| 56) Ethyl methacrylate | 10.661 | 69 | 101603 | 20.60 | ug/l | # | 92 |
| 57) 1,3-Dichloropropane | 10.949 | 76 | 136910 | 20.95 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.944 | 63 | 244796 | 107.53 | ug/l | | 91 |
| 59) 2-Hexanone | 10.985 | 43 | 182648 | 102.09 | ug/l | | 96 |
| 60) Dibromochloromethane | 11.143 | 129 | 95391 | 20.54 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.249 | 107 | 76104 | 20.83 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.879 | 164 | 93497 | 19.76 | ug/l | | 95 |
| 65) Chlorobenzene | 11.673 | 112 | 291960 | 20.46 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.743 | 131 | 102587 | 20.44 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.749 | 91 | 539304 | 20.42 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.855 | 106 | 398261 | 39.94 | ug/l | | 97 |
| 69) o-Xylene | 12.185 | 106 | 186143 | 20.10 | ug/l | | 99 |
| 70) Styrene | 12.196 | 104 | 321269 | 20.32 | ug/l | | 98 |
| 71) Bromoform | 12.361 | 173 | 52760 | 20.74 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.479 | 105 | 505143 | 19.93 | ug/l | | 99 |
| 74) N-amyl acetate | 12.290 | 43 | 109426 | 20.78 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83 | 84908 | 21.07 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.785 | 75 | 53598m | 18.20 | ug/l | | |
| 77) Bromobenzene | 12.761 | 156 | 112137 | 20.64 | ug/l | | 87 |
| 78) n-propylbenzene | 12.820 | 91 | 598003 | 19.95 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.908 | 91 | 342581 | 20.35 | ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 12.961 | 105 | 419550 | 19.88 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.532 | 75 | 27355 | 18.80 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 13.008 | 91 | 353940 | 20.22 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.226 | 119 | 358383 | 20.04 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.273 | 105 | 420105 | 20.05 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.402 | 105 | 496177 | 19.84 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.514 | 119 | 444876 | 19.55 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.520 | 146 | 213585 | 20.45 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.596 | 146 | 211592 | 20.56 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.843 | 91 | 429405 | 19.67 | ug/l | | 98 |
| 90) Hexachloroethane | 14.108 | 117 | 81839 | 19.91 | ug/l | | 89 |
| 91) 1,2-Dichlorobenzene | 13.890 | 146 | 184136 | 20.58 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.508 | 75 | 13704 | 20.77 | ug/l | | 79 |
| 93) 1,2,4-Trichlorobenzene | 15.161 | 180 | 120403 | 19.63 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.267 | 225 | 66072 | 19.43 | ug/l | | 99 |
| 95) Naphthalene | 15.402 | 128 | 232558 | 20.22 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.596 | 180 | 104123 | 20.13 | ug/l | | 98 |

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

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