Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020822\
Data File : VD071910.D
Acq On : 08 Feb 2022 11:03
Operator : VA/SY
Sample : VD0208SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0208SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/09/2022
Supervised By :Mahesh Dadoda 02/09/2022

Quant Time: Feb 09 03:48:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.973 | 168 | 387804 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.861 | 114 | 651329 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.637 | 117 | 607828 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152 | 296803 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.326 | 65 | 258256 | 52.688 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 105.380% | | | |
| 35) Dibromofluoromethane | 7.908 | 113 | 236270 | 55.186 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 110.380% | | | |
| 50) Toluene-d8 | 10.331 | 98 | 857811 | 53.648 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 107.300% | | | |
| 62) 4-Bromofluorobenzene | 12.625 | 95 | 298093 | 53.386 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 106.780% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.985 | 85 | 96976 | 21.087 | ug/l | 99 |
| 3) Chloromethane | 2.208 | 50 | 101235 | 18.387 | ug/l | 97 |
| 4) Vinyl Chloride | 2.349 | 62 | 103771 | 18.003 | ug/l | 98 |
| 5) Bromomethane | 2.755 | 94 | 68349 | 17.971 | ug/l | 100 |
| 6) Chloroethane | 2.920 | 64 | 67794 | 18.559 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.267 | 101 | 160495 | 19.428 | ug/l | 99 |
| 8) Diethyl Ether | 3.702 | 74 | 41257 | 18.928 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 4.091 | 101 | 96413 | 20.687 | ug/l | 97 |
| 10) Methyl Iodide | 4.302 | 142 | 63898 | 13.374 | ug/l | 97 |
| 11) Tert butyl alcohol | 5.214 | 59 | 26007 | 56.978 | ug/l # | 89 |
| 12) 1,1-Dichloroethene | 4.067 | 96 | 81828 | 19.206 | ug/l | 97 |
| 13) Acrolein | 3.920 | 56 | 53740 | 123.437 | ug/l | 98 |
| 14) Allyl chloride | 4.708 | 41 | 153426 | 18.892 | ug/l | 99 |
| 15) Acrylonitrile | 5.414 | 53 | 110665 | 99.895 | ug/l | 99 |
| 16) Acetone | 4.155 | 43 | 114042 | 84.993 | ug/l | 99 |
| 17) Carbon Disulfide | 4.408 | 76 | 230064 | 15.486 | ug/l | 99 |
| 18) Methyl Acetate | 4.714 | 43 | 55640 | 19.179 | ug/l # | 78 |
| 19) Methyl tert-butyl Ether | 5.479 | 73 | 200556 | 19.677 | ug/l | 97 |
| 20) Methylene Chloride | 4.961 | 84 | 98672 | 17.734 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.479 | 96 | 91680 | 18.484 | ug/l | 88 |
| 22) Diisopropyl ether | 6.361 | 45 | 324506 | 20.387 | ug/l | 98 |
| 23) Vinyl Acetate | 6.302 | 43 | 842393 | 95.935 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.261 | 63 | 186321 | 20.083 | ug/l | 98 |
| 25) 2-Butanone | 7.214 | 43 | 147714 | 94.433 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 7.202 | 77 | 150480 | 19.600 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.208 | 96 | 103766 | 19.478 | ug/l | 100 |
| 28) Bromochloromethane | 7.549 | 49 | 62639 | 17.900 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.561 | 42 | 89258 | 96.440 | ug/l | 99 |
| 30) Chloroform | 7.708 | 83 | 188401 | 19.877 | ug/l | 97 |
| 31) Cyclohexane | 7.979 | 56 | 166565 | 17.800 | ug/l # | 90 |
| 32) 1,1,1-Trichloroethane | 7.902 | 97 | 164152 | 19.635 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 8.108 | 75 | 139930 | 19.042 | ug/l | 99 |
| 37) Ethyl Acetate | 7.290 | 43 | 62808 | 18.384 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.090 | 117 | 141774 | 19.509 | ug/l | 97 |
| 39) Methylcyclohexane | 9.349 | 83 | 152671 | 17.931 | ug/l | 95 |
| 40) Benzene | 8.349 | 78 | 383256 | 19.321 | ug/l | 99 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
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MSVOA_D
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.520 | 41 | 35579 | 18.408 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 8.420 | 62 | 123113 | 19.655 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.449 | 43 | 121752 | 19.828 | ug/l | | 100 |
| 44) Trichloroethene | 9.114 | 130 | 100002 | 19.526 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 9.384 | 63 | 104171 | 20.367 | ug/l | | 94 |
| 46) Dibromomethane | 9.473 | 93 | 54890 | 20.496 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.655 | 83 | 146129 | 20.632 | ug/l | | 95 |
| 48) Methyl methacrylate | 9.449 | 41 | 60762 | 18.698 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.461 | 88 | 13468 | 440.604 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 10.220 | 43 | 325878 | 101.415 | ug/l | | 99 |
| 52) Toluene | 10.396 | 92 | 242420 | 19.654 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.614 | 75 | 126896 | 19.507 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.084 | 75 | 150682 | 19.761 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.796 | 97 | 71420 | 20.094 | ug/l | | 95 |
| 56) Ethyl methacrylate | 10.655 | 69 | 85859 | 19.511 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 10.937 | 76 | 126496 | 19.936 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.937 | 63 | 209131 | 100.953 | ug/l | | 100 |
| 59) 2-Hexanone | 10.978 | 43 | 223984 | 96.038 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.131 | 129 | 89261 | 20.337 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.237 | 107 | 66989 | 19.562 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.873 | 164 | 81825 | 19.031 | ug/l | | 95 |
| 65) Chlorobenzene | 11.661 | 112 | 252390 | 19.627 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.737 | 131 | 93483 | 19.983 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.737 | 91 | 457516 | 19.336 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.843 | 106 | 356513 | 39.613 | ug/l | | 98 |
| 69) o-Xylene | 12.173 | 106 | 160468 | 19.620 | ug/l | | 100 |
| 70) Styrene | 12.184 | 104 | 278197 | 19.734 | ug/l | | 99 |
| 71) Bromoform | 12.355 | 173 | 51419 | 20.586 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.473 | 105 | 438111 | 19.063 | ug/l | | 99 |
| 74) N-amyl acetate | 12.278 | 43 | 114016 | 20.173 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83 | 84811 | 19.941 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.772 | 75 | 66887m | 21.384 | ug/l | | |
| 77) Bromobenzene | 12.749 | 156 | 98041 | 19.177 | ug/l | | 98 |
| 78) n-propylbenzene | 12.814 | 91 | 555063 | 19.261 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.896 | 91 | 312906 | 19.160 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.949 | 105 | 375871 | 19.717 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75 | 22848 | 17.960 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.996 | 91 | 331711 | 19.523 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.214 | 119 | 307240 | 19.447 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.261 | 105 | 372527 | 19.866 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.390 | 105 | 480323 | 19.430 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.508 | 119 | 395295 | 19.678 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.508 | 146 | 200188 | 19.283 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.584 | 146 | 198594 | 19.168 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.831 | 91 | 382168 | 19.391 | ug/l | | 99 |
| 90) Hexachloroethane | 14.096 | 117 | 80556 | 20.175 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.878 | 146 | 173524 | 19.532 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75 | 12975 | 18.421 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 15.143 | 180 | 99660 | 19.203 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.255 | 225 | 57930 | 20.471 | ug/l | | 97 |
| 95) Naphthalene | 15.384 | 128 | 177891 | 18.206 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.572 | 180 | 89745 | 20.175 | ug/l | | 97 |

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
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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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