Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081522\
Data File : VD074089.D
Acq On : 15 Aug 2022 11:19
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Krupa Patel 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 15 15:37:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 15 15:34:59 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.973 | 168 | 151498 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 247911 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.632 | 117 | 230218 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152 | 115835 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.320 | 65 | 31035 | 17.155 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 34.320%# | | | |
| 35) Dibromofluoromethane | 7.908 | 113 | 33511 | 19.160 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 38.320%# | | | |
| 50) Toluene-d8 | 10.332 | 98 | 111134 | 17.504 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = | 35.000%# | | | |
| 62) 4-Bromofluorobenzene | 12.620 | 95 | 40010 | 18.328 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = | 36.660% | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.991 | 85 | 33286 | 21.723 | ug/l | | 97 |
| 3) Chloromethane | 2.209 | 50 | 40266 | 15.836 | ug/l | | 100 |
| 4) Vinyl Chloride | 2.350 | 62 | 53051 | 15.194 | ug/l | | 93 |
| 5) Bromomethane | 2.756 | 94 | 43314 | 18.352 | ug/l | | 94 |
| 6) Chloroethane | 2.921 | 64 | 46696 | 19.841 | ug/l | | 93 |
| 7) Trichlorofluoromethane | 3.268 | 101 | 59974 | 19.208 | ug/l | | 100 |
| 8) Diethyl Ether | 3.703 | 74 | 13047 | 17.034 | ug/l | | 83 |
| 9) 1,1,2-Trichlorotrifluo... | 4.097 | 101 | 36100 | 20.837 | ug/l | | 97 |
| 10) Methyl Iodide | 4.291 | 142 | 33592 | 19.683 | ug/l | | 95 |
| 11) Tert butyl alcohol | 5.209 | 59 | 9704 | 72.927 | ug/l | # | 87 |
| 12) 1,1-Dichloroethene | 4.062 | 96 | 29520 | 19.175 | ug/l | | 92 |
| 13) Acrolein | 3.915 | 56 | 7465 | 88.897 | ug/l | | 94 |
| 14) Allyl chloride | 4.709 | 41 | 37420 | 16.652 | ug/l | # | 87 |
| 15) Acrylonitrile | 5.420 | 53 | 27379 | 87.585 | ug/l | | 98 |
| 16) Acetone | 4.162 | 43 | 26887 | 90.575 | ug/l | | 96 |
| 17) Carbon Disulfide | 4.403 | 76 | 82741 | 16.819 | ug/l | | 98 |
| 18) Methyl Acetate | 4.726 | 43 | 14106 | 18.195 | ug/l | # | 87 |
| 19) Methyl tert-butyl Ether | 5.473 | 73 | 63065 | 17.102 | ug/l | | 99 |
| 20) Methylene Chloride | 4.956 | 84 | 48211 | 16.322 | ug/l | # | 78 |
| 21) trans-1,2-Dichloroethene | 5.467 | 96 | 32586 | 17.904 | ug/l | | 83 |
| 22) Diisopropyl ether | 6.362 | 45 | 80100 | 16.750 | ug/l | # | 92 |
| 23) Vinyl Acetate | 6.297 | 43 | 204598 | 78.383 | ug/l | # | 92 |
| 24) 1,1-Dichloroethane | 6.256 | 63 | 56724 | 17.959 | ug/l | | 96 |
| 25) 2-Butanone | 7.209 | 43 | 39415 | 93.549 | ug/l | # | 89 |
| 26) 2,2-Dichloropropane | 7.197 | 77 | 57882 | 20.636 | ug/l | | 100 |
| 27) cis-1,2-Dichloroethene | 7.203 | 96 | 37098 | 18.106 | ug/l | | 89 |
| 28) Bromochloromethane | 7.538 | 49 | 21486 | 18.131 | ug/l | # | 78 |
| 29) Tetrahydrofuran | 7.561 | 42 | 22671 | 88.738 | ug/l | | 90 |
| 30) Chloroform | 7.703 | 83 | 66304 | 19.071 | ug/l | | 86 |
| 31) Cyclohexane | 7.979 | 56 | 48568 | 16.896 | ug/l | | 88 |
| 32) 1,1,1-Trichloroethane | 7.891 | 97 | 62301 | 19.261 | ug/l | | 95 |
| 36) 1,1-Dichloropropene | 8.108 | 75 | 44918 | 17.803 | ug/l | | 92 |
| 37) Ethyl Acetate | 7.291 | 43 | 17128 | 18.879 | ug/l | # | 88 |
| 38) Carbon Tetrachloride | 8.091 | 117 | 53851 | 18.689 | ug/l | | 95 |
| 39) Methylcyclohexane | 9.350 | 83 | 50816 | 17.278 | ug/l | | 91 |
| 40) Benzene | 8.344 | 78 | 129084 | 18.804 | ug/l | | 98 |

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Quant Time: Aug 15 15:37:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 15 15:34:59 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.520 | 41 | 8423 | 14.940 ug/l | # | 61 |
| 42) 1,2-Dichloroethane | 8.414 | 62 | 40105 | 19.089 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.444 | 43 | 32406 | 17.874 ug/l | # | 89 |
| 44) Trichloroethene | 9.103 | 130 | 37496 | 19.572 ug/l | | 86 |
| 45) 1,2-Dichloropropane | 9.379 | 63 | 31593 | 19.041 ug/l | # | 88 |
| 46) Dibromomethane | 9.467 | 93 | 20282 | 20.152 ug/l | | 97 |
| 47) Bromodichloromethane | 9.655 | 83 | 51251 | 19.668 ug/l | | 94 |
| 48) Methyl methacrylate | 9.444 | 41 | 14207 | 15.982 ug/l | # | 77 |
| 49) 1,4-Dioxane | 9.461 | 88 | 3929 | 373.106 ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 10.220 | 43 | 81649 | 90.081 ug/l | | 95 |
| 52) Toluene | 10.397 | 92 | 83561 | 18.087 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.608 | 75 | 43495 | 18.907 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.079 | 75 | 49678 | 18.663 ug/l | # | 85 |
| 55) 1,1,2-Trichloroethane | 10.791 | 97 | 26195 | 20.462 ug/l | | 93 |
| 56) Ethyl methacrylate | 10.650 | 69 | 24761 | 16.707 ug/l | | 89 |
| 57) 1,3-Dichloropropane | 10.932 | 76 | 40927 | 18.798 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.932 | 63 | 50242 | 63.395 ug/l | | 90 |
| 59) 2-Hexanone | 10.973 | 43 | 55437 | 89.510 ug/l | | 97 |
| 60) Dibromochloromethane | 11.132 | 129 | 34236 | 19.741 ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.238 | 107 | 24570 | 18.969 ug/l | | 99 |
| 64) Tetrachloroethene | 10.867 | 164 | 32139 | 20.932 ug/l | | 94 |
| 65) Chlorobenzene | 11.655 | 112 | 93812 | 19.785 ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131 | 35938 | 19.944 ug/l | | 98 |
| 67) Ethyl Benzene | 11.732 | 91 | 157183 | 17.955 ug/l | | 100 |
| 68) m/p-Xylenes | 11.838 | 106 | 129974 | 37.984 ug/l | | 95 |
| 69) o-Xylene | 12.167 | 106 | 59290 | 18.507 ug/l | | 91 |
| 70) Styrene | 12.185 | 104 | 99834 | 18.228 ug/l | | 97 |
| 71) Bromoform | 12.349 | 173 | 19135 | 19.625 ug/l | # | 96 |
| 73) Isopropylbenzene | 12.467 | 105 | 154405 | 17.599 ug/l | | 97 |
| 74) N-amyl acetate | 12.279 | 43 | 29517 | 17.056 ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83 | 28315 | 18.672 ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 12.767 | 75 | 22373m | 18.001 ug/l | | |
| 77) Bromobenzene | 12.749 | 156 | 37455 | 19.210 ug/l | | 84 |
| 78) n-propylbenzene | 12.808 | 91 | 193407 | 18.071 ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.891 | 91 | 108303 | 18.038 ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 12.944 | 105 | 133896 | 18.105 ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75 | 7794 | 16.922 ug/l | | 84 |
| 82) 4-Chlorotoluene | 12.991 | 91 | 115786 | 18.236 ug/l | | 94 |
| 83) tert-Butylbenzene | 13.208 | 119 | 113289 | 17.917 ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.255 | 105 | 134770 | 18.296 ug/l | | 99 |
| 85) sec-Butylbenzene | 13.385 | 105 | 177060 | 18.570 ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.502 | 119 | 146351 | 18.229 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.502 | 146 | 80829 | 19.796 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.579 | 146 | 80351 | 19.908 ug/l | | 97 |
| 89) n-Butylbenzene | 13.826 | 91 | 137247 | 18.005 ug/l | | 99 |
| 90) Hexachloroethane | 14.091 | 117 | 29523 | 18.609 ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.873 | 146 | 68717 | 19.479 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75 | 4900 | 19.243 ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 15.137 | 180 | 40446 | 18.780 ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.243 | 225 | 23290 | 20.406 ug/l | | 95 |
| 95) Naphthalene | 15.379 | 128 | 67073 | 17.327 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.567 | 180 | 35298 | 19.277 ug/l | | 98 |

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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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