Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071122\
Data File : VN073408.D
Acq On : 11 Jul 2022 10:01
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 07:22:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
Reviewed By :Krupa Patel 07/12/2022
Supervised By :Mahesh Dadoda 07/12/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.010 | 168 | 225525 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.898 | 114 | 385244 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.680 | 117 | 352117 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.610 | 152 | 172312 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.363 | 65 | 158545 | 48.698 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.400% | | | |
| 35) Dibromofluoromethane | 7.945 | 113 | 127010 | 49.554 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.100% | | | |
| 50) Toluene-d8 | 10.375 | 98 | 437500 | 48.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.120% | | | |
| 62) 4-Bromofluorobenzene | 12.669 | 95 | 182765 | 52.244 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.046 | 85 | 165213 | 50.107 | ug/l | 99 |
| 3) Chloromethane | 2.269 | 50 | 152304 | 47.579 | ug/l | 93 |
| 4) Vinyl Chloride | 2.410 | 62 | 133059 | 48.921 | ug/l | 98 |
| 5) Bromomethane | 2.781 | 94 | 56608 | 44.065 | ug/l | 95 |
| 6) Chloroethane | 2.957 | 64 | 80548 | 50.344 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.316 | 101 | 239688 | 50.974 | ug/l | 100 |
| 8) Diethyl Ether | 3.763 | 74 | 99632 | 52.050 | ug/l | 81 |
| 9) 1,1,2-Trichlorotrifluo... | 4.146 | 101 | 141673 | 50.990 | ug/l | 97 |
| 10) Methyl Iodide | 4.346 | 142 | 144524 | 43.703 | ug/l | 96 |
| 11) Tert butyl alcohol | 5.281 | 59 | 174128 | 220.785 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.116 | 96 | 131776 | 49.636 | ug/l | 99 |
| 13) Acrolein | 3.975 | 56 | 106473 | 213.588 | ug/l | 99 |
| 14) Allyl chloride | 4.757 | 41 | 288933 | 51.661 | ug/l # | 93 |
| 15) Acrylonitrile | 5.469 | 53 | 537158 | 264.576 | ug/l | 99 |
| 16) Acetone | 4.216 | 43 | 489035 | 267.601 | ug/l | 94 |
| 17) Carbon Disulfide | 4.451 | 76 | 320316 | 46.530 | ug/l | 100 |
| 18) Methyl Acetate | 4.769 | 43 | 274014 | 53.505 | ug/l | 90 |
| 19) Methyl tert-butyl Ether | 5.528 | 73 | 511277 | 52.839 | ug/l | 97 |
| 20) Methylene Chloride | 5.010 | 84 | 156470 | 48.720 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.510 | 96 | 137024 | 49.395 | ug/l | 92 |
| 22) Diisopropyl ether | 6.404 | 45 | 576635 | 55.253 | ug/l # | 94 |
| 23) Vinyl Acetate | 6.345 | 43 | 2440942 | 261.232 | ug/l # | 93 |
| 24) 1,1-Dichloroethane | 6.298 | 63 | 289326 | 53.571 | ug/l | 99 |
| 25) 2-Butanone | 7.251 | 43 | 774667 | 266.250 | ug/l # | 89 |
| 26) 2,2-Dichloropropane | 7.245 | 77 | 241558 | 48.360 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.240 | 96 | 171744 | 51.124 | ug/l | 96 |
| 28) Bromochloromethane | 7.581 | 49 | 128786 | 56.938 | ug/l | 82 |
| 29) Tetrahydrofuran | 7.604 | 42 | 520603 | 261.317 | ug/l # | 85 |
| 30) Chloroform | 7.739 | 83 | 290016 | 53.316 | ug/l | 98 |
| 31) Cyclohexane | 8.016 | 56 | 249297 | 46.755 | ug/l | 88 |
| 32) 1,1,1-Trichloroethane | 7.939 | 97 | 251096 | 51.798 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.145 | 75 | 204094 | 51.750 | ug/l | 98 |
| 37) Ethyl Acetate | 7.328 | 43 | 303228 | 50.886 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 8.128 | 117 | 210447 | 51.600 | ug/l | 99 |
| 39) Methylcyclohexane | 9.392 | 83 | 251403 | 51.202 | ug/l | 95 |
| 40) Benzene | 8.387 | 78 | 629256 | 51.700 | ug/l | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.557 | 41 | 164202 | 56.817 | ug/l | # | 81 |
| 42) 1,2-Dichloroethane | 8.457 | 62 | 235500 | 53.377 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.487 | 43 | 452674 | 52.857 | ug/l | # | 93 |
| 44) Trichloroethene | 9.145 | 130 | 156465 | 50.516 | ug/l | | 90 |
| 45) 1,2-Dichloropropane | 9.422 | 63 | 170180 | 54.857 | ug/l | | 99 |
| 46) Dibromomethane | 9.510 | 93 | 111691 | 53.025 | ug/l | | 91 |
| 47) Bromodichloromethane | 9.692 | 83 | 228847 | 56.095 | ug/l | # | 98 |
| 48) Methyl methacrylate | 9.492 | 41 | 199681 | 50.357 | ug/l | | 92 |
| 49) 1,4-Dioxane | 9.504 | 88 | 72991 | 969.640 | ug/l | # | 90 |
| 51) 4-Methyl-2-Pentanone | 10.269 | 43 | 1518439 | 279.588 | ug/l | | 90 |
| 52) Toluene | 10.439 | 92 | 393915 | 52.370 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.657 | 75 | 246471 | 54.880 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 10.122 | 75 | 263618 | 54.370 | ug/l | # | 88 |
| 55) 1,1,2-Trichloroethane | 10.833 | 97 | 163701 | 52.865 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.698 | 69 | 261012 | 52.149 | ug/l | # | 85 |
| 57) 1,3-Dichloropropane | 10.980 | 76 | 285456 | 53.775 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.975 | 63 | 622928 | 279.066 | ug/l | | 94 |
| 59) 2-Hexanone | 11.022 | 43 | 1133352 | 273.764 | ug/l | | 88 |
| 60) Dibromochloromethane | 11.175 | 129 | 172084 | 58.287 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.280 | 107 | 166278 | 53.759 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.910 | 164 | 145602 | 50.639 | ug/l | | 96 |
| 65) Chlorobenzene | 11.710 | 112 | 415257 | 52.144 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131 | 153984 | 52.569 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.780 | 91 | 766149 | 52.993 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.886 | 106 | 579340 | 106.178 | ug/l | | 94 |
| 69) o-Xylene | 12.216 | 106 | 287634 | 51.639 | ug/l | | 96 |
| 70) Styrene | 12.233 | 104 | 475528 | 55.295 | ug/l | | 98 |
| 71) Bromoform | 12.392 | 173 | 125561 | 58.582 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.516 | 105 | 762086 | 51.216 | ug/l | | 99 |
| 74) N-amyl acetate | 12.327 | 43 | 344637 | 46.256 | ug/l | # | 89 |
| 75) 1,1,2,2-Tetrachloroethane | 12.763 | 83 | 244951 | 49.608 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.816 | 75 | 210252m | 46.665 | ug/l | | |
| 77) Bromobenzene | 12.798 | 156 | 170729 | 49.350 | ug/l | | 87 |
| 78) n-propylbenzene | 12.857 | 91 | 895430 | 54.169 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.945 | 91 | 531362 | 50.789 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.998 | 105 | 633908 | 52.267 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.563 | 75 | 83684 | 50.936 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 13.039 | 91 | 529767 | 52.304 | ug/l | | 96 |
| 83) tert-Butylbenzene | 13.257 | 119 | 562385 | 51.722 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.304 | 105 | 629287 | 51.969 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.439 | 105 | 796952 | 54.584 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.551 | 119 | 654270 | 55.473 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.551 | 146 | 315782 | 50.880 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.627 | 146 | 317640 | 51.080 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.880 | 91 | 556381 | 56.611 | ug/l | | 98 |
| 90) Hexachloroethane | 14.145 | 117 | 115978 | 52.764 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 13.921 | 146 | 324248 | 51.286 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.539 | 75 | 58601 | 48.829 | ug/l | | 89 |
| 93) 1,2,4-Trichlorobenzene | 15.192 | 180 | 175084 | 53.185 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.298 | 225 | 77557 | 52.998 | ug/l | | 99 |
| 95) Naphthalene | 15.433 | 128 | 632902 | 47.657 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.621 | 180 | 174540 | 51.398 | 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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