Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072121\
Data File : BM031044.D
Acq On : 21 Jul 2021 15:19
Operator : CG/JU
Sample : M2940-09
Misc : MDL-MDL-WATER- 8PPM
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-WATER-03-QT3-2021

**Manual Integrations APPROVED**
mohammad
7/22/2021 1:30:01 PM

Quant Time: Jul 21 15:55:11 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 21 11:41:39 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.634 | 152 | 72631 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.399 | 136 | 315413 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.263 | 164 | 221423 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.010 | 188 | 489645 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.198 | 240 | 553497 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 23.380 | 264 | 575637 | 20.00 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.252 | 112 | 490199 | 121.19 | ng | | 0.00 |
| 7) Phenol-d6 | 6.816 | 99 | 710592 | 121.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.781 | 82 | 517069 | 82.31 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.763 | 330 | 342936 | 118.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.887 | 172 | 1225876 | 82.61 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.651 | 244 | 2359189 | 84.33 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.240 | 88 | 11469 | 7.06 | ng | | 92 |
| 3) Pyridine | 3.628 | 79 | 31014 | 6.75 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.546 | 42 | 16328 | 6.25 | ng | # | 87 |
| 6) Aniline | 6.975 | 93 | 54237 | 8.62 | ng | | 99 |
| 8) 2-Chlorophenol | 7.205 | 128 | 35503 | 7.46 | ng | | 96 |
| 9) Benzaldehyde | 6.787 | 77 | 33513 | 9.59 | ng | | 97 |
| 10) Phenol | 6.840 | 94 | 43012 | 7.57 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.075 | 93 | 33308 | 7.92 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.522 | 146 | 38985 | 7.53 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.669 | 146 | 40273 | 7.64 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.981 | 146 | 38345 | 7.45 | ng | | 95 |
| 15) Benzyl Alcohol | 7.875 | 79 | 35892 | 7.27 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.169 | 45 | 43489 | 8.27 | ng | | 97 |
| 17) 2-Methylphenol | 8.075 | 107 | 29119 | 7.33 | ng | | 94 |
| 18) Hexachloroethane | 8.699 | 117 | 15097 | 7.42 | ng | | 88 |
| 19) n-Nitroso-di-n-propyla... | 8.434 | 70 | 30334 | 7.33 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.399 | 107 | 42006 | 7.47 | ng | | 96 |
| 22) Acetophenone | 8.452 | 105 | 61218 | 7.84 | ng | # | 96 |
| 24) Nitrobenzene | 8.822 | 77 | 48618 | 7.66 | ng | | 99 |
| 25) Isophorone | 9.346 | 82 | 78938 | 7.03 | ng | | 98 |
| 26) 2-Nitrophenol | 9.528 | 139 | 18239 | 6.83 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 9.593 | 122 | 36219 | 8.61 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.834 | 93 | 47247 | 8.34 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.051 | 162 | 35911 | 7.21 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.269 | 180 | 40298 | 7.37 | ng | | 93 |
| 31) Naphthalene | 10.451 | 128 | 122282 | 7.53 | ng | | 98 |
| 32) Benzoic acid | 9.657 | 122 | 17593 | 4.91 | ng | | 96 |
| 33) 4-Chloroaniline | 10.569 | 127 | 53377 | 7.62 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.740 | 225 | 24751 | 7.05 | ng | | 98 |
| 35) Caprolactam | 11.334 | 113 | 11359 | 6.79 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.687 | 107 | 40361 | 7.11 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.069 | 142 | 91660 | 7.33 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.287 | 142 | 85720 | 7.20 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.440 | 216 | 47627 | 7.72 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 12.422 | 237 | 31264 | 9.11 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.687 | 196 | 29569 | 6.82 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.751 | 196 | 33227 | 6.93 | ng | # | 91 |
| 46) 1,1'-Biphenyl | 13.092 | 154 | 125060 | 7.97 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.134 | 162 | 92968 | 7.56 | ng | | 93 |
| 48) 2-Nitroaniline | 13.339 | 65 | 26697 | 6.81 | ng | | 89 |
| 49) Acenaphthylene | 13.987 | 152 | 146093 | 7.43 | ng | | 100 |
| 50) Dimethylphthalate | 13.734 | 163 | 123358 | 7.43 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.845 | 165 | 25094 | 6.75 | ng | # | 78 |
| 52) Acenaphthene | 14.328 | 154 | 89895 | 7.27 | ng | | 99 |
| 53) 3-Nitroaniline | 14.175 | 138 | 26011 | 6.92 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 14.381 | 184 | 11494 | 5.24 | ng | | 94 |
| 55) Dibenzofuran | 14.663 | 168 | 147893 | 7.29 | ng | | 93 |
| 56) 4-Nitrophenol | 14.481 | 139 | 22844 | 6.87 | ng | | 84 |
| 57) 2,4-Dinitrotoluene | 14.634 | 165 | 32766 | 6.33 | ng | # | 89 |
| 58) Fluorene | 15.316 | 166 | 118264 | 6.91 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.892 | 232 | 30138m | 6.74 | ng | | |
| 60) Diethylphthalate | 15.104 | 149 | 126837 | 7.12 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.322 | 204 | 59016 | 6.96 | ng | # | 86 |
| 62) 4-Nitroaniline | 15.339 | 138 | 27518 | 6.64 | ng | | 93 |
| 63) Azobenzene | 15.610 | 77 | 120555 | 6.80 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.398 | 198 | 17145 | 5.58 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.533 | 169 | 105379 | 7.32 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.216 | 248 | 34989 | 6.91 | ng | | 91 |
| 68) Hexachlorobenzene | 16.316 | 284 | 41888 | 7.34 | ng | | 97 |
| 69) Atrazine | 16.492 | 200 | 39408 | 7.46 | ng | | 97 |
| 70) Pentachlorophenol | 16.663 | 266 | 24798 | 6.64 | ng | | 96 |
| 71) Phenanthrene | 17.057 | 178 | 199418 | 7.35 | ng | | 100 |
| 72) Anthracene | 17.145 | 178 | 201572 | 7.54 | ng | | 99 |
| 73) Carbazole | 17.416 | 167 | 185189 | 7.00 | ng | | 97 |
| 74) Di-n-butylphthalate | 17.998 | 149 | 220469 | 7.09 | ng | | 99 |
| 75) Fluoranthene | 19.069 | 202 | 238201 | 7.02 | ng | | 99 |
| 77) Benzidine | 19.269 | 184 | 134018 | 9.81 | ng | | 99 |
| 78) Pyrene | 19.433 | 202 | 253626 | 7.34 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.357 | 149 | 106256 | 7.20 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.180 | 228 | 266013 | 7.25 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.127 | 252 | 97932 | 9.74 | ng | | 99 |
| 83) Chrysene | 21.233 | 228 | 250915 | 7.04 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.133 | 149 | 170212 | 7.44 | ng | | 95 |
| 85) Di-n-octyl phthalate | 22.004 | 149 | 293114 | 7.49 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 25.539 | 276 | 292831 | 7.12 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.727 | 252 | 276940 | 7.26 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 22.768 | 252 | 259086 | 7.26 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.280 | 252 | 261529 | 7.62 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.556 | 278 | 248011 | 6.97 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.198 | 276 | 243166 | 7.17 | ng | | 99 |

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

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