Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011823\
Data File : BM038476.D
Acq On : 18 Jan 2023 12:29
Operator : CG/JU
Sample : N3980-08
Misc : LOQ-WATER-5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 19 06:11:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 06:09:42 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOQ-WATER-02-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

01/19/2023
Supervised By :Jagrut Upadhyay

01/19/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.975 | 152 | 42665 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.786 | 136 | 141743 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.610 | 164 | 85588 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.351 | 188 | 188470 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 198031 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.944 | 264 | 249586 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 323992 | 115.836 | ng | | 0.00 |
| 7) Phenol-d6 | 7.140 | 99 | 391725 | 109.332 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.145 | 82 | 269593 | 77.497 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.098 | 330 | 156958 | 108.482 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.233 | 172 | 500726 | 72.961 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.962 | 244 | 836511 | 79.077 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.381 | 88 | 6899 | 5.397 | ng | | 94 |
| 3) Pyridine | 3.816 | 79 | 13687m | 3.702 | ng | | |
| 4) n-Nitrosodimethylamine | 3.716 | 42 | 10311 | 4.713 | ng | # | 97 |
| 6) Aniline | 7.304 | 93 | 19113 | 4.223 | ng | | 99 |
| 8) 2-Chlorophenol | 7.534 | 128 | 12734 | 4.598 | ng | | 91 |
| 9) Benzaldehyde | 7.116 | 77 | 14841 | 6.194 | ng | | 98 |
| 10) Phenol | 7.163 | 94 | 17514 | 4.691 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.398 | 93 | 13044 | 4.311 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.857 | 146 | 13889 | 4.682 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 8.010 | 146 | 14092 | 4.722 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.328 | 146 | 13940 | 4.777 | ng | | 96 |
| 15) Benzyl Alcohol | 8.222 | 79 | 11707 | 4.080 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.498 | 45 | 19362 | 4.590 | ng | | 94 |
| 17) 2-Methylphenol | 8.422 | 107 | 9909 | 3.929 | ng | | 95 |
| 18) Hexachloroethane | 9.051 | 117 | 5797 | 4.742 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.787 | 70 | 10835 | 4.166 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.751 | 107 | 12091 | 3.571 | ng | | 95 |
| 22) Acetophenone | 8.810 | 105 | 20207 | 4.823 | ng | # | 97 |
| 24) Nitrobenzene | 9.187 | 77 | 18951 | 5.156 | ng | | 98 |
| 25) Isophorone | 9.710 | 82 | 26892 | 4.364 | ng | | 95 |
| 26) 2-Nitrophenol | 9.904 | 139 | 5048 | 3.912 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.957 | 122 | 8519 | 3.877 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.198 | 93 | 14933 | 4.309 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.439 | 162 | 9415 | 3.878 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.645 | 180 | 12580 | 4.481 | ng | | 96 |
| 31) Naphthalene | 10.839 | 128 | 33761 | 4.494 | ng | | 98 |
| 32) Benzoic acid | 10.034 | 122 | 3318m | 6.719 | ng | | |
| 33) 4-Chloroaniline | 10.963 | 127 | 13132 | 3.983 | ng | # | 93 |
| 34) Hexachlorobutadiene | 11.110 | 225 | 8909 | 4.526 | ng | | 97 |
| 35) Caprolactam | 11.745 | 113 | 1992m | 2.903 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.075 | 107 | 9796 | 3.701 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.439 | 142 | 21394m | 3.895 | ng | | |
| 38) 1-Methylnaphthalene | 12.657 | 142 | 20246 | 3.926 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.804 | 216 | 14150 | 4.417 | ng | | 96 |
| 41) Hexachlorocyclopentadiene | 12.780 | 237 | 7364 | 4.043 | ng | | 90 |
| 43) 2,4,6-Trichlorophenol | 13.051 | 196 | 7871 | 3.887 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.128 | 196 | 8124 | 3.403 | ng | | 89 |
| 46) 1,1'-Biphenyl | 13.445 | 154 | 30456 | 4.587 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.492 | 162 | 23728 | 4.540 | ng | | 98 |
| 48) 2-Nitroaniline | 13.704 | 65 | 6474 | 5.223 | ng | | 97 |
| 49) Acenaphthylene | 14.333 | 152 | 32538 | 3.949 | ng | | 98 |
| 50) Dimethylphthalate | 14.063 | 163 | 28189 | 4.064 | ng | | 96 |
| 51) 2,6-Dinitrotoluene | 14.198 | 165 | 4888 | 3.464 | ng | | 85 |
| 52) Acenaphthene | 14.674 | 154 | 20850 | 4.164 | ng | | 96 |
| 53) 3-Nitroaniline | 14.527 | 138 | 4446 | 5.354 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.745 | 184 | 2173 | 7.219 | ng | | 90 |
| 55) Dibenzofuran | 15.004 | 168 | 35117 | 4.119 | ng | | 97 |
| 56) 4-Nitrophenol | 14.833 | 139 | 2866 | 6.071 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.980 | 165 | 6065 | 3.092 | ng | # | 95 |
| 58) Fluorene | 15.657 | 166 | 26882 | 3.774 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.233 | 232 | 7161 | 3.383 | ng | # | 95 |
| 60) Diethylphthalate | 15.421 | 149 | 28272 | 3.973 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.645 | 204 | 14969 | 3.828 | ng | | 97 |
| 62) 4-Nitroaniline | 15.686 | 138 | 4214 | 5.327 | ng | | 90 |
| 63) Azobenzene | 15.939 | 77 | 32248 | 4.119 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 198 | 3587 | 2.805 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.863 | 169 | 22623 | 4.091 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.539 | 248 | 8286 | 3.801 | ng | | 93 |
| 68) Hexachlorobenzene | 16.651 | 284 | 10668 | 4.370 | ng | | 97 |
| 69) Atrazine | 16.810 | 200 | 8500 | 4.347 | ng | | 98 |
| 70) Pentachlorophenol | 17.004 | 266 | 5262 | 2.953 | ng | # | 88 |
| 71) Phenanthrene | 17.392 | 178 | 43924 | 4.213 | ng | | 98 |
| 72) Anthracene | 17.486 | 178 | 42116 | 3.930 | ng | | 98 |
| 73) Carbazole | 17.762 | 167 | 36965 | 3.945 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.310 | 149 | 42665 | 3.833 | ng | # | 98 |
| 75) Fluoranthene | 19.404 | 202 | 48398 | 3.692 | ng | | 100 |
| 77) Benzidine | 19.598 | 184 | 20365 | 4.693 | ng | | 97 |
| 78) Pyrene | 19.768 | 202 | 53278 | 4.043 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.651 | 149 | 19505 | 4.049 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.509 | 228 | 58624 | 4.116 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.445 | 252 | 21343 | 4.654 | ng | | 96 |
| 83) Chrysene | 21.562 | 228 | 58464 | 4.224 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149 | 27836 | 4.020 | ng | # | 92 |
| 85) Di-n-octyl phthalate | 22.350 | 149 | 50201 | 4.120 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 26.456 | 276 | 76117 | 4.121 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.203 | 252 | 64544 | 4.171 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.250 | 252 | 66815m | 4.175 | ng | | |
| 90) Benzo(a)pyrene | 23.839 | 252 | 55476 | 3.653 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 26.474 | 278 | 67415 | 4.349 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 27.238 | 276 | 69512 | 4.520 | ng | # | 94 |

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

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