Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071822\
Data File : BG054311.D
Acq On : 18 Jul 2022 14:29
Operator : CG/JU
Sample : N3214-08
Misc : LOQ-water-10ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 15:30:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 18 14:19:07 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-WATER-02-QT2-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.997 | 152 | 17472 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.806 | 136 | 62519 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.637 | 164 | 48769 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.381 | 188 | 135324 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.646 | 240 | 177659 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 24.842 | 264 | 191711 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.565 | 112 | 126239 | 150.854 | ng | | 0.00 |
| 7) Phenol-d6 | 7.163 | 99 | 168947 | 147.338 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.161 | 82 | 93059 | 81.059 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.123 | 330 | 158812 | 155.095 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.256 | 172 | 290523 | 84.037 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.989 | 244 | 739169 | 82.538 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.432 | 88 | 3102m | 9.318 | ng | | |
| 3) Pyridine | 3.838 | 79 | 7050 | 8.348 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.755 | 42 | 4045 | 8.566 | ng | # | 72 |
| 6) Aniline | 7.322 | 93 | 12885 | 9.735 | ng | | 98 |
| 8) 2-Chlorophenol | 7.563 | 128 | 8585 | 8.927 | ng | | 93 |
| 9) Benzaldehyde | 7.134 | 77 | 7398 | 11.485 | ng | # | 72 |
| 10) Phenol | 7.193 | 94 | 10308 | 9.048 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.416 | 93 | 7558 | 9.099 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.892 | 146 | 11204m | 9.562 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.039 | 146 | 11377 | 9.402 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.356 | 146 | 10982 | 9.624 | ng | | 92 |
| 15) Benzyl Alcohol | 8.232 | 79 | 8185 | 8.679 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.520 | 45 | 8889 | 8.497 | ng | | 91 |
| 17) 2-Methylphenol | 8.444 | 107 | 7231 | 8.806 | ng | | 90 |
| 18) Hexachloroethane | 9.079 | 117 | 3967 | 9.901 | ng | # | 70 |
| 19) n-Nitroso-di-n-propyla... | 8.797 | 70 | 6516 | 8.510 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.773 | 107 | 9305 | 8.042 | ng | | 96 |
| 22) Acetophenone | 8.814 | 105 | 13941 | 9.271 | ng | # | 97 |
| 24) Nitrobenzene | 9.202 | 77 | 10352 | 9.227 | ng | # | 89 |
| 25) Isophorone | 9.719 | 82 | 18252 | 9.141 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.919 | 139 | 5095 | 9.009 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 9.977 | 122 | 8261 | 10.574 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 10.207 | 93 | 9913 | 9.844 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.459 | 162 | 10697 | 9.071 | ng | | 87 |
| 30) 1,2,4-Trichlorobenzene | 10.671 | 180 | 14093 | 9.650 | ng | | 98 |
| 31) Naphthalene | 10.859 | 128 | 28518 | 9.087 | ng | | 96 |
| 32) Benzoic acid | 10.148 | 122 | 2682m | 10.762 | ng | | |
| 33) 4-Chloroaniline | 10.965 | 127 | 11784 | 9.233 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.141 | 225 | 12133 | 9.400 | ng | | 93 |
| 35) Caprolactam | 11.711 | 113 | 2451 | 8.255 | ng | # | 70 |
| 36) 4-Chloro-3-methylphenol | 12.093 | 107 | 9189 | 8.565 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.463 | 142 | 21191 | 8.793 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.680 | 142 | 21035 | 8.957 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 12.833 | 216 | 21604 | 10.111 | ng | # | 93 |
| 41) Hexachlorocyclopentadiene | 12.815 | 237 | 6674 | 13.314 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 13.074 | 196 | 10361 | 8.906 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.150 | 196 | 11704 | 8.904 | ng | # | 89 |
| 46) 1,1'-Biphenyl | 13.468 | 154 | 32366 | 9.701 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.509 | 162 | 25877 | 9.268 | ng | | 94 |
| 48) 2-Nitroaniline | 13.708 | 65 | 6458 | 8.862 | ng | | 89 |
| 49) Acenaphthylene | 14.355 | 152 | 40546 | 9.773 | ng | | 98 |
| 50) Dimethylphthalate | 14.079 | 163 | 34632 | 9.091 | ng | # | 97 |
| 51) 2,6-Dinitrotoluene | 14.202 | 165 | 7521 | 9.001 | ng | # | 70 |
| 52) Acenaphthene | 14.695 | 154 | 23004 | 9.156 | ng | | 98 |
| 53) 3-Nitroaniline | 14.531 | 138 | 5794 | 8.291 | ng | # | 90 |
| 54) 2,4-Dinitrophenol | 14.754 | 184 | 4076 | 10.040 | ng | # | 76 |
| 55) Dibenzofuran | 15.030 | 168 | 41940 | 9.382 | ng | # | 95 |
| 56) 4-Nitrophenol | 14.860 | 139 | 3550 | 7.614 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 14.995 | 165 | 10600 | 8.850 | ng | # | 84 |
| 58) Fluorene | 15.677 | 166 | 33779 | 9.191 | ng | | 92 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.265 | 232 | 11407 | 8.913 | ng | # | 79 |
| 60) Diethylphthalate | 15.442 | 149 | 33270 | 9.104 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.671 | 204 | 23899 | 9.906 | ng | # | 89 |
| 62) 4-Nitroaniline | 15.694 | 138 | 6662 | 9.074 | ng | # | 85 |
| 63) Azobenzene | 15.965 | 77 | 24229 | 9.176 | ng | # | 79 |
| 65) 4,6-Dinitro-2-methylph... | 15.765 | 198 | 7630 | 9.126 | ng | | 77 |
| 66) n-Nitrosodiphenylamine | 15.882 | 169 | 30292 | 8.966 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.564 | 248 | 16793 | 8.836 | ng | | 90 |
| 68) Hexachlorobenzene | 16.693 | 284 | 20419 | 9.395 | ng | # | 89 |
| 69) Atrazine | 16.828 | 200 | 15901 | 10.576 | ng | | 95 |
| 70) Pentachlorophenol | 17.040 | 266 | 7906 | 9.296 | ng | | 94 |
| 71) Phenanthrene | 17.422 | 178 | 62458 | 9.268 | ng | | 98 |
| 72) Anthracene | 17.510 | 178 | 62713 | 9.483 | ng | | 99 |
| 73) Carbazole | 17.780 | 167 | 52212 | 9.590 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.332 | 149 | 58077 | 9.039 | ng | | 97 |
| 75) Fluoranthene | 19.431 | 202 | 86471 | 9.413 | ng | | 97 |
| 77) Benzidine | 19.607 | 184 | 39766 | 12.359 | ng | | 98 |
| 78) Pyrene | 19.790 | 202 | 90265 | 8.855 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.671 | 149 | 26229 | 8.257 | ng | # | 83 |
| 81) Benzo(a)anthracene | 21.623 | 228 | 102649 | 9.102 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.535 | 252 | 38894 | 11.089 | ng | # | 95 |
| 83) Chrysene | 21.687 | 228 | 95489 | 8.962 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.529 | 149 | 38987 | 8.673 | ng | # | 90 |
| 85) Di-n-octyl phthalate | 22.721 | 149 | 66151 | 8.626 | ng | # | 92 |
| 87) Indeno(1,2,3-cd)pyrene | 28.509 | 276 | 125658 | 8.616 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.826 | 252 | 107126 | 9.449 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 23.896 | 252 | 103841 | 9.203 | ng | # | 95 |
| 90) Benzo(a)pyrene | 24.696 | 252 | 103109 | 10.649 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.562 | 278 | 110407 | 9.206 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.643 | 276 | 109010 | 9.210 | ng | # | 90 |

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

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