Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057015.D
Acq On : 6 Apr 2023 16:54
Operator : CG/JU
Sample : 02191-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 07 01:37:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
72-11982MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.408 | 152 | 16086 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.251 | 136 | 62929 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 15.022 | 164 | 44734 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.766 | 188 | 104155 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.083 | 240 | 88993 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.620 | 264 | 96874 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.923 | 112 | 96853 | 96.362 | ng | | 0.00 |
| 7) Phenol-d6 | 7.544 | 99 | 143706 | 95.597 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.588 | 82 | 91458 | 59.468 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.503 | 330 | 70635 | 98.840 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.648 | 172 | 215392 | 65.291 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.327 | 244 | 332892 | 63.298 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.726 | 88 | 17238 | 39.124 | ng | | 95 |
| 3) Pyridine | 4.149 | 79 | 50614 | 35.666 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 4.055 | 42 | 27841 | 42.671 | ng | | 99 |
| 6) Aniline | 7.720 | 93 | 68844 | 35.824 | ng | | 97 |
| 8) 2-Chlorophenol | 7.967 | 128 | 52844 | 52.785 | ng | | 91 |
| 9) Benzaldehyde | 7.532 | 77 | 37078 | 39.325 | ng | | 94 |
| 10) Phenol | 7.574 | 94 | 73916 | 49.624 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.809 | 93 | 49104 | 46.280 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.302 | 146 | 58637 | 53.008 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.449 | 146 | 59311 | 53.124 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.772 | 146 | 55535 | 51.486 | ng | | 96 |
| 15) Benzyl Alcohol | 8.643 | 79 | 57747 | 46.232 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.931 | 45 | 58001m | 45.359 | ng | | |
| 17) 2-Methylphenol | 8.842 | 107 | 50048 | 47.096 | ng | | 93 |
| 18) Hexachloroethane | 9.512 | 117 | 21150 | 51.830 | ng | # | 82 |
| 19) n-Nitroso-di-n-propyla... | 9.212 | 70 | 46067 | 42.844 | ng | | 99 |
| 20) 3+4-Methylphenols | 9.171 | 107 | 67508 | 45.430 | ng | | 97 |
| 22) Acetophenone | 9.242 | 105 | 86230 | 46.050 | ng | # | 97 |
| 24) Nitrobenzene | 9.630 | 77 | 71097 | 45.216 | ng | | 99 |
| 25) Isophorone | 10.152 | 82 | 122773 | 41.921 | ng | | 96 |
| 26) 2-Nitrophenol | 10.346 | 139 | 29964 | 49.371 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.393 | 122 | 53092 | 49.546 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.628 | 93 | 63686 | 43.436 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.887 | 162 | 57002 | 49.463 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.110 | 180 | 61874 | 50.531 | ng | | 97 |
| 31) Naphthalene | 11.304 | 128 | 165056 | 48.120 | ng | | 99 |
| 32) Benzoic acid | 10.534 | 122 | 35383m | 48.070 | ng | | |
| 33) 4-Chloroaniline | 11.398 | 127 | 43520 | 28.093 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.574 | 225 | 45834 | 49.830 | ng | | 98 |
| 35) Caprolactam | 12.173 | 113 | 17095m | 43.014 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.490 | 107 | 60241 | 46.742 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.878 | 142 | 121719 | 44.712 | ng | | 100 |
| 38) 1-Methylnaphthalene | 13.095 | 142 | 113209 | 44.287 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 13.236 | 216 | 82847 | 53.407 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.213 | 237 | 99140 | 115.994 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.466 | 196 | 51596 | 52.122 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.542 | 196 | 56303 | 48.011 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.859 | 154 | 170989 | 52.216 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.912 | 162 | 128360 | 52.999 | ng | | 97 |
| 48) 2-Nitroaniline | 14.106 | 65 | 41510 | 47.932 | ng | | 98 |
| 49) Acenaphthylene | 14.752 | 152 | 201427 | 50.619 | ng | | 99 |
| 50) Dimethylphthalate | 14.458 | 163 | 162883 | 46.212 | ng | # | 98 |
| 51) 2,6-Dinitrotoluene | 14.588 | 165 | 36212 | 47.550 | ng | | 96 |
| 52) Acenaphthene | 15.087 | 154 | 157458m | 57.374 | ng | | |
| 53) 3-Nitroaniline | 14.917 | 138 | 28457 | 37.751 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 15.128 | 184 | 49917 | 116.452 | ng | | 93 |
| 55) Dibenzofuran | 15.422 | 168 | 201797 | 48.991 | ng | | 96 |
| 56) 4-Nitrophenol | 15.216 | 139 | 58313 | 104.615 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 15.369 | 165 | 52213 | 48.612 | ng | | 100 |
| 58) Fluorene | 16.062 | 166 | 167087 | 49.021 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.639 | 232 | 52926 | 49.568 | ng | # | 99 |
| 60) Diethylphthalate | 15.809 | 149 | 164167 | 46.460 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 16.044 | 204 | 96349 | 48.146 | ng | | 95 |
| 62) 4-Nitroaniline | 16.080 | 138 | 35808 | 45.849 | ng | | 88 |
| 63) Azobenzene | 16.338 | 77 | 166200 | 47.196 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.133 | 198 | 35630 | 56.483 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.256 | 169 | 138616 | 49.577 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.937 | 248 | 62052 | 48.150 | ng | | 98 |
| 68) Hexachlorobenzene | 17.067 | 284 | 68909 | 54.084 | ng | | 99 |
| 69) Atrazine | 17.190 | 200 | 60612 | 52.224 | ng | | 97 |
| 70) Pentachlorophenol | 17.407 | 266 | 88678 | 97.015 | ng | | 94 |
| 71) Phenanthrene | 17.807 | 178 | 362368 | 68.239 | ng | | 99 |
| 72) Anthracene | 17.895 | 178 | 271277 | 49.833 | ng | | 99 |
| 73) Carbazole | 18.159 | 167 | 235771 | 49.675 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.682 | 149 | 257167 | 46.791 | ng | | 100 |
| 75) Fluoranthene | 19.792 | 202 | 473401 | 70.325 | ng | | 100 |
| 77) Benzidine | 19.957 | 184 | 80677 | 33.167 | ng | | 98 |
| 78) Pyrene | 20.156 | 202 | 474099 | 77.024 | ng | | 98 |
| 80) Butylbenzylphthalate | 21.008 | 149 | 103128 | 48.689 | ng | | 95 |
| 81) Benzo(a)anthracene | 22.060 | 228 | 381211 | 61.902 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.954 | 252 | 69713 | 33.523 | ng | | 100 |
| 83) Chrysene | 22.136 | 228 | 365034 | 63.307 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.913 | 149 | 149980 | 48.899 | ng | | 98 |
| 85) Di-n-octyl phthalate | 23.223 | 149 | 246361 | 47.665 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.738 | 276 | 414034 | 57.830 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 24.498 | 252 | 417912 | 68.987 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.568 | 252 | 340483 | 56.300 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.461 | 252 | 347152 | 58.318 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.791 | 278 | 306321 | 52.052 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 31.018 | 276 | 342090 | 59.365 | ng | | 97 |

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

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