Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042922\
Data File : BG053377.D
Acq On : 29 Apr 2022 14:55
Operator : CG/JU
Sample : PB144441BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 02 01:02:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB144441BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.105 | 152 | 29659 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.913 | 136 | 116023 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.726 | 164 | 88016 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.475 | 188 | 210776 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.757 | 240 | 218592 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.053 | 264 | 228945 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.673 | 112 | 228445 | 132.033 | ng | | 0.00 |
| 7) Phenol-d6 | 7.271 | 99 | 315641 | 118.299 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.263 | 82 | 218244 | 76.377 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.218 | 330 | 153179 | 109.390 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.351 | 172 | 474338 | 74.312 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.077 | 244 | 975391 | 75.361 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.547 | 88 | 26873 | 32.523 | ng | # | 89 |
| 3) Pyridine | 3.952 | 79 | 67733 | 31.081 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.864 | 42 | 45871 | 42.505 | ng | # | 94 |
| 6) Aniline | 7.424 | 93 | 112500 | 36.382 | ng | | 95 |
| 8) 2-Chlorophenol | 7.671 | 128 | 80139 | 42.903 | ng | | 94 |
| 9) Benzaldehyde | 7.236 | 77 | 61503m | 38.562 | ng | | |
| 10) Phenol | 7.295 | 94 | 112307 | 42.286 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.512 | 93 | 77478 | 40.469 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.994 | 146 | 88086m | 40.582 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.140 | 146 | 89287 | 40.350 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.458 | 146 | 84759 | 39.721 | ng | | 96 |
| 15) Benzyl Alcohol | 8.340 | 79 | 90302m | 38.076 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.622 | 45 | 125639 | 39.307 | ng | | 97 |
| 17) 2-Methylphenol | 8.546 | 107 | 73600 | 40.952 | ng | | 93 |
| 18) Hexachloroethane | 9.192 | 117 | 33920 | 40.877 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.904 | 70 | 72972 | 37.357 | ng | # | 97 |
| 20) 3+4-Methylphenols | 8.875 | 107 | 99668 | 39.284 | ng | | 92 |
| 22) Acetophenone | 8.922 | 105 | 126302 | 39.239 | ng | | 94 |
| 24) Nitrobenzene | 9.310 | 77 | 111922 | 40.269 | ng | | 91 |
| 25) Isophorone | 9.832 | 82 | 195643 | 40.282 | ng | | 98 |
| 26) 2-Nitrophenol | 10.020 | 139 | 44571 | 38.350 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 10.079 | 122 | 77122 | 46.333 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.308 | 93 | 103545 | 37.948 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.561 | 162 | 84652 | 40.454 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.778 | 180 | 91843 | 38.780 | ng | | 96 |
| 31) Naphthalene | 10.966 | 128 | 242678 | 39.205 | ng | | 99 |
| 32) Benzoic acid | 10.244 | 122 | 37924m | 35.991 | ng | | |
| 33) 4-Chloroaniline | 11.072 | 127 | 83089 | 31.345 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.248 | 225 | 66961 | 38.062 | ng | | 98 |
| 35) Caprolactam | 11.836 | 113 | 27541m | 37.340 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.188 | 107 | 96315 | 39.536 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.564 | 142 | 175049 | 38.217 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.781 | 142 | 167283 | 37.416 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 12.928 | 216 | 111754 | 37.384 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.911 | 237 | 122829 | 79.596 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.169 | 196 | 76490 | 37.112 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.245 | 196 | 80596 | 36.696 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.563 | 154 | 239358 | 37.763 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.610 | 162 | 185263 | 36.636 | ng | | 97 |
| 48) 2-Nitroaniline | 13.803 | 65 | 75749 | 39.472 | ng | | 95 |
| 49) Acenaphthylene | 14.450 | 152 | 320041 | 40.429 | ng | | 99 |
| 50) Dimethylphthalate | 14.174 | 163 | 261264 | 37.112 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.297 | 165 | 56984 | 38.800 | ng | # | 81 |
| 52) Acenaphthene | 14.790 | 154 | 222754m | 41.495 | ng | | |
| 53) 3-Nitroaniline | 14.632 | 138 | 50176 | 32.310 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.843 | 184 | 66449 | 71.109 | ng | | 93 |
| 55) Dibenzofuran | 15.125 | 168 | 306797 | 36.498 | ng | | 98 |
| 56) 4-Nitrophenol | 14.943 | 139 | 89254 | 75.359 | ng | # | 80 |
| 57) 2,4-Dinitrotoluene | 15.084 | 165 | 83204 | 39.793 | ng | | 88 |
| 58) Fluorene | 15.771 | 166 | 255497 | 37.633 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.354 | 232 | 77113 | 36.154 | ng | | 99 |
| 60) Diethylphthalate | 15.531 | 149 | 274513 | 37.217 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.760 | 204 | 142665 | 37.070 | ng | | 98 |
| 62) 4-Nitroaniline | 15.789 | 138 | 61437 | 37.491 | ng | # | 80 |
| 63) Azobenzene | 16.053 | 77 | 269466 | 36.235 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.859 | 198 | 51281 | 34.873 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.971 | 169 | 228790 | 37.747 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.653 | 248 | 101809 | 37.696 | ng | | 95 |
| 68) Hexachlorobenzene | 16.788 | 284 | 112016 | 38.298 | ng | | 96 |
| 69) Atrazine | 16.917 | 200 | 103124 | 43.556 | ng | | 99 |
| 70) Pentachlorophenol | 17.128 | 266 | 118118 | 73.894 | ng | | 92 |
| 71) Phenanthrene | 17.516 | 178 | 441051 | 38.309 | ng | | 97 |
| 72) Anthracene | 17.610 | 178 | 448529 | 39.325 | ng | | 99 |
| 73) Carbazole | 17.874 | 167 | 414334 | 37.371 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.421 | 149 | 489234 | 38.907 | ng | | 99 |
| 75) Fluoranthene | 19.525 | 202 | 586341 | 39.731 | ng | | 99 |
| 77) Benzidine | 19.695 | 184 | 286791 | 45.984 | ng | | 98 |
| 78) Pyrene | 19.883 | 202 | 582096 | 37.390 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.759 | 149 | 218325 | 37.616 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.740 | 228 | 581974 | 38.939 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.646 | 252 | 172522 | 31.387 | ng | | 99 |
| 83) Chrysene | 21.804 | 228 | 528480 | 38.100 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.628 | 149 | 312333 | 39.811 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.862 | 149 | 527597 | 40.210 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.830 | 276 | 656722 | 38.609 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.007 | 252 | 610366 | 42.254 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 24.078 | 252 | 565299 | 39.819 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.900 | 252 | 581626 | 47.264 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.889 | 278 | 567511 | 40.538 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.011 | 276 | 565531 | 40.985 | ng | | 98 |

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

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