Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100119\
Data File : BG042969.D
Acq On : 1 Oct 2019 16:26
Operator : JU
Sample : PB123514BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB123514BS

**Manual Integrations APPROVED**
mohammad
10/2/2019 4:00:23 PM

Quant Time: Oct 02 01:39:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 25 15:35:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 70284 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 275602 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 195553 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 473815 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 543040 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 24.93 | 264 | 554404 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 472165 | 119.89 | ng | | 0.00 |
| 7) Phenol-d6 | 7.24 | 99 | 636153 | 112.17 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 382176 | 67.40 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 375362 | 111.63 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 915680 | 67.88 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.04 | 244 | 1795950 | 70.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 59829 | 36.437 | ng | | 96 |
| 3) Pyridine | 3.95 | 79 | 143005 | 30.965 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 96353 | 43.385 | ng | | 93 |
| 6) Aniline | 7.40 | 93 | 224229 | 32.753 | ng | | 98 |
| 8) 2-Chlorophenol | 7.64 | 128 | 196823 | 47.922 | ng | | 99 |
| 9) Benzaldehyde | 7.21 | 77 | 103200 | 29.778 | ng | | 92 |
| 10) Phenol | 7.27 | 94 | 246840 | 47.439 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.49 | 93 | 172826 | 42.928 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.96 | 146 | 211125 | 40.296 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.11 | 146 | 216900 | 41.527 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.43 | 146 | 204489 | 41.123 | ng | | 96 |
| 15) Benzyl Alcohol | 8.31 | 79 | 190125 | 44.589 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 283872 | 36.715 | ng | | 100 |
| 17) 2-Methylphenol | 8.52 | 107 | 167006 | 45.870 | ng | | 97 |
| 18) Hexachloroethane | 9.15 | 117 | 79866 | 40.601 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 151480 | 40.677 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.84 | 107 | 230357 | 46.169 | ng | | 98 |
| 22) Acetophenone | 8.89 | 105 | 286514 | 40.331 | ng | # | 98 |
| 24) Nitrobenzene | 9.27 | 77 | 234270 | 43.315 | ng | | 99 |
| 25) Isophorone | 9.79 | 82 | 417436 | 41.911 | ng | | 98 |
| 26) 2-Nitrophenol | 9.98 | 139 | 110974 | 48.199 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.05 | 122 | 181062 | 51.208 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93 | 234904 | 41.569 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 206423 | 46.941 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 232141 | 40.878 | ng | | 97 |
| 31) Naphthalene | 10.92 | 128 | 582738 | 42.953 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 116804 | 43.346 | ng | | 94 |
| 33) 4-Chloroaniline | 11.03 | 127 | 147927 | 25.128 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.21 | 225 | 169836 | 39.942 | ng | | 96 |
| 35) Caprolactam | 11.81 | 113 | 66150m | 42.656 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.16 | 107 | 222031 | 46.437 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 441057 | 42.615 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 413476 | 42.220 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 288876 | 39.289 | ng | | 98 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 383444 | 81.849 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 191183 | 44.425 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 209263 | 47.203 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 595558 | 40.160 | ng | 98 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 471093 | 42.370 | ng | 99 |
| 48) 2-Nitroaniline | 13.77 | 65 | 155488 | 42.053 | ng | 97 |
| 49) Acenaphthylene | 14.41 | 152 | 752141 | 44.210 | ng | 99 |
| 50) Dimethylphthalate | 14.15 | 163 | 602967 | 41.152 | ng | 98 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 140986 | 45.184 | ng | 97 |
| 52) Acenaphthene | 14.75 | 154 | 450681 | 39.576 | ng | 99 |
| 53) 3-Nitroaniline | 14.60 | 138 | 100888 | 31.287 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.79 | 184 | 179979 | 92.797 | ng | 96 |
| 55) Dibenzofuran | 15.09 | 168 | 726266 | 43.113 | ng | 100 |
| 56) 4-Nitrophenol | 14.91 | 139 | 235732 | 95.945 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 200617 | 43.905 | ng | 98 |
| 58) Fluorene | 15.73 | 166 | 609690 | 42.393 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 209421 | 44.366 | ng | 99 |
| 60) Diethylphthalate | 15.51 | 149 | 608395 | 40.800 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 352410 | 40.857 | ng | 97 |
| 62) 4-Nitroaniline | 15.76 | 138 | 152390 | 43.331 | ng | 94 |
| 63) Azobenzene | 16.02 | 77 | 558824 | 41.163 | ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 129418 | 48.269 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 551479 | 44.090 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 251302 | 42.258 | ng | 96 |
| 68) Hexachlorobenzene | 16.74 | 284 | 274281 | 41.423 | ng | 94 |
| 69) Atrazine | 16.89 | 200 | 213955 | 40.621 | ng | 96 |
| 70) Pentachlorophenol | 17.09 | 266 | 372271 | 97.435 | ng | 99 |
| 71) Phenanthrene | 17.47 | 178 | 991620 | 42.868 | ng | 98 |
| 72) Anthracene | 17.57 | 178 | 1007317 | 43.620 | ng | 99 |
| 73) Carbazole | 17.83 | 167 | 962762 | 44.958 | ng | 100 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 1084851 | 42.460 | ng | 99 |
| 75) Fluoranthene | 19.48 | 202 | 1356327 | 44.330 | ng | 99 |
| 77) Benzidine | 19.66 | 184 | 401471 | 29.526 | ng | 100 |
| 78) Pyrene | 19.84 | 202 | 1391504 | 42.932 | ng | 99 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 531957 | 43.239 | ng | 100 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 1431403 | 42.304 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 499556 | 37.643 | ng | 100 |
| 83) Chrysene | 21.75 | 228 | 1388381 | 42.283 | ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 754582 | 43.104 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.81 | 149 | 1267366 | 44.273 | ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.61 | 276 | 1795868 | 43.933 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 1554841 | 49.565 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 1475580 | 47.548 | ng | 99 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 1488972 | 50.310 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.67 | 278 | 1521100 | 50.121 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.75 | 276 | 1504452 | 51.163 | ng | 98 |

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

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