Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023085.D
Acq On : 14 Jul 2016 2:32
Operator : UM/SJ
Sample : PB92070BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB92070BS

Quant Time: Jul 14 04:47:55 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 90046 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.99 | 136 | 453160 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.81 | 164 | 350881 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 883174 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 904869 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 25.25 | 264 | 908479 | 20.00 | ng | | 0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 832228 | 151.16 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 1297456 | 150.46 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 893391 | 84.42 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 699274 | 110.89 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 1867791 | 83.85 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 2730523 | 104.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 110080 | 51.44 | ng | | 96 |
| 3) Pyridine | 3.97 | 79 | 262607 | 35.86 | ng | # | 93 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 131141 | 41.74 | ng | # | 88 |
| 6) Aniline | 7.47 | 93 | 315289 | 26.38 | ng | | 95 |
| 8) 2-Chlorophenol | 7.72 | 128 | 297085 | 50.71 | ng | | 96 |
| 9) Benzaldehyde | 7.28 | 77 | 100292 | 17.41 | ng | | 94 |
| 10) Phenol | 7.34 | 94 | 454281 | 51.20 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 303769 | 43.20 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 291504 | 40.64 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 299540 | 41.72 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 289062 | 40.50 | ng | | 92 |
| 15) Benzyl Alcohol | 8.40 | 79 | 390199 | 49.40 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 369844 | 43.05 | ng | | 96 |
| 17) 2-Methylphenol | 8.60 | 107 | 295588 | 51.18 | ng | | 95 |
| 18) Hexachloroethane | 9.24 | 117 | 125929 | 41.55 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 321318 | 41.33 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 414547 | 51.47 | ng | | 96 |
| 22) Acetophenone | 8.98 | 105 | 512801 | 37.71 | ng | # | 91 |
| 24) Nitrobenzene | 9.37 | 77 | 472934 | 42.05 | ng | | 95 |
| 25) Isophorone | 9.89 | 82 | 841274 | 39.52 | ng | | 97 |
| 26) 2-Nitrophenol | 10.09 | 139 | 182933 | 41.46 | ng | | 87 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 330813 | 43.37 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 470009 | 39.59 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 373698 | 45.94 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 353849 | 37.96 | ng | | 95 |
| 31) Naphthalene | 11.03 | 128 | 918978 | 39.84 | ng | | 99 |
| 32) Benzoic acid | 10.28 | 122 | 232422 | 33.49 | ng | | 95 |
| 33) 4-Chloroaniline | 11.14 | 127 | 156533 | 13.88 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 268894 | 35.58 | ng | # | 92 |
| 35) Caprolactam | 11.92 | 113 | 133703m | 39.95 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 473761 | 42.58 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 751725 | 41.23 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 491447 | 32.50 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 634900 | 72.94 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 357563 | 41.14 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.32 | 196 | 388718 | 43.55 | ng | | 93 |
| 45) 1,1'-Biphenyl | 13.64 | 154 | 1062402 | 40.35 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 885851 | 41.48 | ng | | 97 |
| 47) 2-Nitroaniline | 13.89 | 65 | 385600 | 42.32 | ng | | 99 |
| 48) Acenaphthylene | 14.53 | 152 | 1333933 | 41.64 | ng | | 99 |
| 49) Dimethylphthalate | 14.25 | 163 | 1209704 | 42.21 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 280554 | 43.55 | ng | | 85 |
| 51) Acenaphthene | 14.87 | 154 | 879246 | 42.00 | ng | | 95 |
| 52) 3-Nitroaniline | 14.71 | 138 | 149629 | 23.30 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 346680 | 78.44 | ng | | 93 |
| 54) Dibenzofuran | 15.21 | 168 | 1405002 | 44.84 | ng | | 98 |
| 55) 4-Nitrophenol | 15.03 | 139 | 422430 | 78.46 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 404278 | 43.05 | ng | | 96 |
| 57) Fluorene | 15.85 | 166 | 1160905 | 43.04 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 395160m | 44.25 | ng | | |
| 59) Diethylphthalate | 15.61 | 149 | 1245427 | 42.71 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 679790 | 41.38 | ng | | 95 |
| 61) 4-Nitroaniline | 15.88 | 138 | 267691 | 38.52 | ng | # | 84 |
| 62) Azobenzene | 16.13 | 77 | 1378642 | 49.42 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 257397 | 39.21 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 16.06 | 169 | 1064189 | 41.82 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.74 | 248 | 457096 | 39.78 | ng | | 97 |
| 67) Hexachlorobenzene | 16.86 | 284 | 475955 | 38.10 | ng | | 98 |
| 68) Atrazine | 17.00 | 200 | 438507 | 38.85 | ng | | 97 |
| 69) Pentachlorophenol | 17.21 | 266 | 608964 | 75.27 | ng | | 100 |
| 70) Phenanthrene | 17.60 | 178 | 1849249 | 42.73 | ng | | 98 |
| 71) Anthracene | 17.69 | 178 | 1875564 | 42.79 | ng | | 98 |
| 72) Carbazole | 17.97 | 167 | 1605813 | 42.40 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 1933654 | 45.91 | ng | | 98 |
| 74) Fluoranthene | 19.61 | 202 | 2117257 | 39.86 | ng | | 98 |
| 76) Benzidine | 19.79 | 184 | 950709 | 36.65 | ng | | 98 |
| 77) Pyrene | 19.97 | 202 | 2121725 | 41.73 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 942470 | 46.79 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 2196544 | 43.39 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 626610 | 28.20 | ng | # | 99 |
| 82) Chrysene | 21.91 | 228 | 2066894 | 43.52 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149 | 1287811 | 46.05 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 2119254 | 45.44 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.13 | 276 | 2454514 | 40.54 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.17 | 252 | 2319475 | 44.25 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.24 | 252 | 2176701 | 43.76 | ng | # | 97 |
| 89) Benzo(a)pyrene | 25.09 | 252 | 2232055 | 44.43 | ng | # | 99 |
| 90) Dibenzo(a,h)anthracene | 29.19 | 278 | 2065520 | 41.42 | ng | # | 98 |
| 91) Benzo(g,h,i)perylene | 30.34 | 276 | 1967965 | 39.41 | ng | # | 96 |

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

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