Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
Data File : BG029015.D
Acq On : 3 Oct 2017 21:20
Operator : SJ/JU
Sample : PB102887BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 04 07:08:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** PB102887BS

**Manual Integrations APPROVED**
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10/4/2017 4:58:09 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.24 | 152 | 46089 | 20.00 | ng | | -0.09 |
| 21) Naphthalene-d8 | 11.06 | 136 | 183981 | 20.00 | ng | | -0.09 |
| 38) Acenaphthene-d10 | 14.86 | 164 | 134444 | 20.00 | ng | | -0.08 |
| 63) Phenanthrene-d10 | 17.61 | 188 | 328702 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 21.93 | 240 | 361026 | 20.00 | ng | | -0.10 |
| 86) Perylene-d12 | 25.35 | 264 | 344918 | 20.00 | ng | | -0.18 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.81 | 112 | 394030 | 141.07 | ng | | -0.09 |
| 7) Phenol-d6 | 7.40 | 99 | 536215 | 127.50 | ng | | -0.09 |
| 23) Nitrobenzene-d5 | 9.41 | 82 | 341744 | 88.86 | ng | | -0.09 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 302901 | 136.22 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 13.48 | 172 | 879118 | 87.19 | ng | | -0.08 |
| 78) Terphenyl-d14 | 20.21 | 244 | 1475342 | 87.15 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.72 | 88 | 37411 | 33.074 | ng | # | 91 |
| 3) Pyridine | 4.11 | 79 | 93332 | 28.926 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 4.03 | 42 | 64979 | 44.271 | ng | # | 80 |
| 6) Aniline | 7.57 | 93 | 143898 | 29.401 | ng | | 97 |
| 8) 2-Chlorophenol | 7.81 | 128 | 132027 | 42.401 | ng | | 95 |
| 9) Benzaldehyde | 7.38 | 77 | 71855 | 27.540 | ng | | 90 |
| 10) Phenol | 7.43 | 94 | 185408 | 41.774 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.66 | 93 | 125916 | 39.516 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.13 | 146 | 133563m | 39.835 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.27 | 146 | 138785 | 40.254 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.60 | 146 | 133818 | 39.287 | ng | | 99 |
| 15) Benzyl Alcohol | 8.48 | 79 | 139689 | 42.550 | ng | # | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 228127 | 39.392 | ng | | 98 |
| 17) 2-Methylphenol | 8.68 | 107 | 120358 | 41.499 | ng | | 91 |
| 18) Hexachloroethane | 9.32 | 117 | 50776 | 40.182 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 9.04 | 70 | 113734 | 38.150 | ng | | 91 |
| 20) 3+4-Methylphenols | 9.01 | 107 | 169715 | 41.837 | ng | | 94 |
| 22) Acetophenone | 9.07 | 105 | 213843 | 39.752 | ng | # | 86 |
| 24) Nitrobenzene | 9.45 | 77 | 172205 | 40.436 | ng | # | 89 |
| 25) Isophorone | 9.97 | 82 | 324540 | 41.704 | ng | | 99 |
| 26) 2-Nitrophenol | 10.17 | 139 | 72280 | 39.878 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.22 | 122 | 139061 | 41.973 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.45 | 93 | 178110 | 42.146 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.71 | 162 | 140870 | 42.734 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.92 | 180 | 153421 | 40.797 | ng | | 99 |
| 31) Naphthalene | 11.11 | 128 | 405645 | 42.215 | ng | | 98 |
| 32) Benzoic acid | 10.39 | 122 | 84169 | 37.323 | ng | | 90 |
| 33) 4-Chloroaniline | 11.23 | 127 | 84161 | 20.908 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.38 | 225 | 106088 | 38.301 | ng | | 95 |
| 35) Caprolactam | 12.01 | 113 | 53176m | 44.984 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 177725 | 41.427 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.70 | 142 | 316262 | 44.084 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.07 | 216 | 205761 | 37.222 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 13.04 | 237 | 213404 | 97.533 | ng | | 94 |

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Quant Time: Oct 04 07:08:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.30 | 196 | 138098 | 39.361 | ng | | 89 |
| 43) 2,4,5-Trichlorophenol | 13.39 | 196 | 144474 | 40.980 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.70 | 154 | 427700 | 38.423 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.75 | 162 | 325672 | 40.112 | ng | | 97 |
| 47) 2-Nitroaniline | 13.95 | 65 | 129019 | 42.758 | ng | | 93 |
| 48) Acenaphthylene | 14.59 | 152 | 544179 | 41.953 | ng | | 98 |
| 49) Dimethylphthalate | 14.31 | 163 | 466454 | 41.375 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 106040 | 42.271 | ng | # | 76 |
| 51) Acenaphthene | 14.93 | 154 | 314910 | 39.965 | ng | | 91 |
| 52) 3-Nitroaniline | 14.78 | 138 | 71842 | 32.385 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 14.99 | 184 | 114633 | 86.051 | ng | | 95 |
| 54) Dibenzofuran | 15.26 | 168 | 549743 | 43.750 | ng | | 93 |
| 55) 4-Nitrophenol | 15.09 | 139 | 142064 | 87.408 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 15.23 | 165 | 151880 | 43.059 | ng | # | 89 |
| 57) Fluorene | 15.91 | 166 | 464408 | 41.398 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.49 | 232 | 146624 | 47.189 | ng | | 93 |
| 59) Diethylphthalate | 15.66 | 149 | 479316 | 41.372 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.89 | 204 | 270531 | 42.350 | ng | | 89 |
| 61) 4-Nitroaniline | 15.95 | 138 | 103073 | 43.858 | ng | # | 83 |
| 62) Azobenzene | 16.19 | 77 | 452567 | 46.446 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198 | 88376 | 41.667 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.11 | 169 | 410998 | 43.618 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.79 | 248 | 186629 | 44.126 | ng | | 94 |
| 67) Hexachlorobenzene | 16.92 | 284 | 198152 | 41.163 | ng | # | 87 |
| 68) Atrazine | 17.06 | 200 | 172183 | 42.558 | ng | | 98 |
| 69) Pentachlorophenol | 17.27 | 266 | 189118 | 86.952 | ng | | 97 |
| 70) Phenanthrene | 17.66 | 178 | 746494 | 44.410 | ng | | 94 |
| 71) Anthracene | 17.75 | 178 | 762279 | 44.893 | ng | | 96 |
| 72) Carbazole | 18.02 | 167 | 667686 | 43.660 | ng | | 94 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 809983 | 43.196 | ng | # | 95 |
| 74) Fluoranthene | 19.66 | 202 | 927271 | 45.179 | ng | | 94 |
| 76) Benzidine | 19.84 | 184 | 97885 | 10.455 | ng | # | 92 |
| 77) Pyrene | 20.02 | 202 | 950433 | 45.641 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.89 | 149 | 356709 | 42.414 | ng | | 92 |
| 80) Benzo(a)anthracene | 21.91 | 228 | 944049 | 43.442 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.81 | 252 | 284904 | 32.336 | ng | # | 97 |
| 82) Chrysene | 21.98 | 228 | 887211 | 43.028 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 472130 | 39.487 | ng | | 98 |
| 84) Di-n-octyl phthalate | 23.04 | 149 | 801440 | 38.365 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 29.28 | 276 | 1068153 | 40.318 | ng | # | 97 |
| 87) Benzo(b)fluoranthene | 24.25 | 252 | 951211 | 46.030 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.33 | 252 | 892429 | 43.235 | ng | | 94 |
| 89) Benzo(a)pyrene | 25.19 | 252 | 894571 | 45.607 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 29.34 | 278 | 897064 | 43.867 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.52 | 276 | 880671 | 44.136 | ng | | 98 |

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

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