Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120515\
Data File : BG019944.D
Acq On : 5 Dec 2015 16:21
Operator : UM/NP
Sample : PB87048BS
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 07 02:21:46 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** PB87048BS

**Manual Integrations APPROVED**
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12/7/2015 6:31:37 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 32350 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.93 | 136 | 148461 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 104189 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 265343 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.76 | 240 | 316722 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.04 | 264 | 294340 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 233957 | 130.71 | ng | | -0.01 |
| 7) Phenol-d6 | 7.26 | 99 | 335902 | 124.29 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 218917 | 75.26 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 170198 | 106.76 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 532004 | 69.72 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.09 | 244 | 925384 | 71.27 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 25357 | 36.36 | ng | # | 100 |
| 3) Pyridine | 3.93 | 79 | 83272 | 39.32 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 41433 | 37.20 | ng | | 91 |
| 6) Aniline | 7.43 | 93 | 103967 | 29.71 | ng | # | 87 |
| 8) 2-Chlorophenol | 7.67 | 128 | 99438 | 45.56 | ng | | 93 |
| 9) Benzaldehyde | 7.24 | 77 | 34930 | 19.38 | ng | | 91 |
| 10) Phenol | 7.29 | 94 | 136286 | 47.92 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 88945 | 42.22 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 97696 | 39.49 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 102905m | 40.28 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 98289 | 40.33 | ng | # | 94 |
| 15) Benzyl Alcohol | 8.35 | 79 | 105299 | 44.40 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 140504 | 40.90 | ng | | 92 |
| 17) 2-Methylphenol | 8.55 | 107 | 94461 | 47.04 | ng | # | 94 |
| 18) Hexachloroethane | 9.21 | 117 | 38264 | 40.00 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.93 | 70 | 84394 | 39.60 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 129574 | 45.83 | ng | | 95 |
| 22) Acetophenone | 8.94 | 105 | 149855 | 36.82 | ng | # | 91 |
| 24) Nitrobenzene | 9.32 | 77 | 128250 | 40.64 | ng | | 91 |
| 25) Isophorone | 9.85 | 82 | 227029 | 36.40 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.04 | 139 | 55076 | 45.19 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 105242 | 41.47 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 128234 | 42.08 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 113393 | 43.74 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 109614 | 37.41 | ng | | 95 |
| 31) Naphthalene | 10.99 | 128 | 313761 | 39.45 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 76244 | 45.01 | ng | | 83 |
| 33) 4-Chloroaniline | 11.09 | 127 | 59724 | 17.04 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 77665 | 35.93 | ng | | 95 |
| 35) Caprolactam | 11.87 | 113 | 41155m | 42.64 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 133840 | 41.45 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.59 | 142 | 240674 | 41.29 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 146360 | 37.02 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.93 | 237 | 169193 | 75.05 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 105770 | 40.41 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 118664 | 42.89 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 317806 | 37.17 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 257397 | 39.05 | ng | | 94 |
| 47) 2-Nitroaniline | 13.82 | 65 | 96485 | 46.35 | ng | | 88 |
| 48) Acenaphthylene | 14.47 | 152 | 431291 | 38.42 | ng | | 99 |
| 49) Dimethylphthalate | 14.20 | 163 | 356324 | 38.02 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 78175 | 44.37 | ng | # | 72 |
| 51) Acenaphthene | 14.81 | 154 | 301136m | 44.21 | ng | | |
| 52) 3-Nitroaniline | 14.64 | 138 | 58349 | 31.87 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 14.85 | 184 | 82744 | 87.29 | ng | | 94 |
| 54) Dibenzofuran | 15.14 | 168 | 433734 | 42.80 | ng | | 93 |
| 55) 4-Nitrophenol | 14.94 | 139 | 133159 | 83.52 | ng | # | 63 |
| 56) 2,4-Dinitrotoluene | 15.09 | 165 | 112583 | 45.79 | ng | # | 87 |
| 57) Fluorene | 15.79 | 166 | 349047 | 38.48 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 115615 | 45.15 | ng | | 97 |
| 59) Diethylphthalate | 15.56 | 149 | 371627 | 36.64 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 190888 | 36.65 | ng | | 96 |
| 61) 4-Nitroaniline | 15.81 | 138 | 86018 | 41.78 | ng | # | 77 |
| 62) Azobenzene | 16.08 | 77 | 353540 | 41.89 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 65779 | 44.62 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 318076 | 41.42 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 128096 | 38.85 | ng | | 97 |
| 67) Hexachlorobenzene | 16.79 | 284 | 137790 | 40.12 | ng | | 95 |
| 68) Atrazine | 16.94 | 200 | 133012 | 39.87 | ng | | 95 |
| 69) Pentachlorophenol | 17.13 | 266 | 177677 | 88.63 | ng | | 96 |
| 70) Phenanthrene | 17.53 | 178 | 605550 | 40.34 | ng | | 97 |
| 71) Anthracene | 17.62 | 178 | 612159 | 40.03 | ng | | 96 |
| 72) Carbazole | 17.89 | 167 | 545726 | 40.51 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 652793 | 39.54 | ng | | 98 |
| 74) Fluoranthene | 19.53 | 202 | 745273 | 38.81 | ng | | 95 |
| 76) Benzidine | 19.71 | 184 | 244088 | 23.46 | ng | | 97 |
| 77) Pyrene | 19.89 | 202 | 774379 | 41.56 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 297923 | 40.79 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 775066 | 39.98 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 183162 | 24.81 | ng | | 98 |
| 82) Chrysene | 21.81 | 228 | 709356 | 38.54 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 434378 | 40.53 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.89 | 149 | 737132 | 42.30 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.79 | 276 | 869861 | 42.90 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 757736 | 40.62 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.07 | 252 | 737737 | 39.93 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.89 | 252 | 737224 | 41.63 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.87 | 278 | 715356 | 40.88 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.97 | 276 | 718262 | 41.80 | ng | # | 94 |

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

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