Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061016\
Data File : BG022304.D
Acq On : 11 Jun 2016 2:27
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 15:56:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 16:12:45 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
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6/13/2016 7:32:03 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 47271 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.92 | 136 | 230292 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 122002 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.48 | 188 | 247948 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.76 | 240 | 227257 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.06 | 264 | 211490 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 219918 | 89.95 | ng | | -0.01 |
| 7) Phenol-d6 | 7.27 | 99 | 325727 | 84.74 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 297334 | 90.01 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 94735 | 68.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.36 | 172 | 684099 | 85.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.08 | 244 | 768078 | 80.24 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 47090 | 40.17 | ng | # | 75 |
| 3) Pyridine | 3.91 | 79 | 135720 | 42.84 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 36030 | 50.86 | ng | # | 86 |
| 6) Aniline | 7.43 | 93 | 209355 | 42.87 | ng | # | 82 |
| 8) 2-Chlorophenol | 7.67 | 128 | 137884 | 40.80 | ng | | 83 |
| 9) Benzaldehyde | 7.24 | 77 | 90978 | 43.00 | ng | # | 79 |
| 10) Phenol | 7.29 | 94 | 170534 | 43.03 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 135346 | 42.83 | ng | # | 73 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 140873 | 38.89 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 146229 | 40.52 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 143120 | 39.34 | ng | | 97 |
| 15) Benzyl Alcohol | 8.35 | 79 | 105413 | 42.44 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 150056 | 45.77 | ng | | 84 |
| 17) 2-Methylphenol | 8.56 | 107 | 118162 | 39.95 | ng | # | 87 |
| 18) Hexachloroethane | 9.19 | 117 | 54757 | 41.55 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 105036 | 40.37 | ng | # | 72 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 165437 | 39.00 | ng | | 97 |
| 22) Acetophenone | 8.93 | 105 | 210286 | 42.37 | ng | # | 84 |
| 24) Nitrobenzene | 9.32 | 77 | 149348 | 44.96 | ng | # | 87 |
| 25) Isophorone | 9.84 | 82 | 300602 | 38.90 | ng | | 95 |
| 26) 2-Nitrophenol | 10.04 | 139 | 80462 | 44.67 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 135037 | 41.42 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 182747 | 41.27 | ng | | 92 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 124886 | 41.35 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 135350 | 40.11 | ng | | 96 |
| 31) Naphthalene | 10.98 | 128 | 451550 | 39.28 | ng | # | 94 |
| 32) Benzoic acid | 10.26 | 122 | 56659 | 49.70 | ng | | 91 |
| 33) 4-Chloroaniline | 11.09 | 127 | 191107 | 39.98 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 71427 | 39.42 | ng | | 97 |
| 35) Caprolactam | 11.88 | 113 | 48787 | 29.45 | ng | # | 55 |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 138665 | 38.73 | ng | | 87 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 320952 | 37.82 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 135733 | 43.22 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.91 | 237 | 56953 | 38.43 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 92350 | 43.83 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.26 | 196 | 95134 | 40.87 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.57 | 154 | 401230 | 43.70 | ng | | 94 |
| 46) 2-Chloronaphthalene | 13.62 | 162 | 301099 | 42.78 | ng | | 98 |
| 47) 2-Nitroaniline | 13.83 | 65 | 76496 | 45.58 | ng | # | 70 |
| 48) Acenaphthylene | 14.46 | 152 | 498178 | 40.34 | ng | | 98 |
| 49) Dimethylphthalate | 14.19 | 163 | 367962 | 36.38 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.32 | 165 | 84775 | 38.55 | ng | # | 85 |
| 51) Acenaphthene | 14.80 | 154 | 296888 | 40.13 | ng | | 96 |
| 52) 3-Nitroaniline | 14.66 | 138 | 88788 | 36.40 | ng | # | 85 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 33256 | 42.90 | ng | # | 80 |
| 54) Dibenzofuran | 15.14 | 168 | 448438 | 38.84 | ng | | 100 |
| 55) 4-Nitrophenol | 14.97 | 139 | 60230 | 35.78 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.11 | 165 | 111753 | 37.89 | ng | # | 88 |
| 57) Fluorene | 15.78 | 166 | 374676 | 37.67 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 76823m | 36.80 | ng | | |
| 59) Diethylphthalate | 15.54 | 149 | 375798 | 34.78 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204 | 171305 | 38.03 | ng | | 94 |
| 61) 4-Nitroaniline | 15.81 | 138 | 90425 | 34.96 | ng | # | 78 |
| 62) Azobenzene | 16.06 | 77 | 342081 | 41.80 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 52242 | 42.29 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 308902 | 43.25 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 96803 | 41.67 | ng | | 96 |
| 67) Hexachlorobenzene | 16.79 | 284 | 104814 | 38.71 | ng | | 98 |
| 68) Atrazine | 16.93 | 200 | 96712 | 36.58 | ng | | 98 |
| 69) Pentachlorophenol | 17.14 | 266 | 43655 | 39.33 | ng | | 97 |
| 70) Phenanthrene | 17.53 | 178 | 533376 | 39.61 | ng | | 99 |
| 71) Anthracene | 17.62 | 178 | 532731 | 39.89 | ng | | 97 |
| 72) Carbazole | 17.89 | 167 | 490451 | 38.77 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.42 | 149 | 627042 | 37.92 | ng | | 98 |
| 74) Fluoranthene | 19.53 | 202 | 573395 | 37.04 | ng | | 95 |
| 76) Benzidine | 19.70 | 184 | 281064 | 47.29 | ng | | 100 |
| 77) Pyrene | 19.89 | 202 | 569283 | 40.29 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.75 | 149 | 295847 | 45.15 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 521840 | 40.95 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 152281 | 42.57 | ng | # | 98 |
| 82) Chrysene | 21.81 | 228 | 501621 | 40.45 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 423650 | 43.97 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.84 | 149 | 714255 | 44.65 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 28.83 | 276 | 549513 | 39.50 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 508454 | 41.22 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.07 | 252 | 488863 | 40.26 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.90 | 252 | 491488 | 41.67 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.88 | 278 | 451325 | 40.63 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 30.00 | 276 | 456564 | 39.51 | ng | # | 92 |

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

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