Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020088.D
Acq On : 10 Dec 2015 23:53
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 11 04:52:02 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

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 19423 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.93 | 136 | 83650 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 55135 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 17.48 | 188 | 136144 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 21.76 | 240 | 164129 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.04 | 264 | 150087 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 88859 | 82.69 | ng | | -0.02 |
| 7) Phenol-d6 | 7.26 | 99 | 133165 | 82.07 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 133896 | 81.69 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 65302 | 77.41 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.36 | 172 | 326541 | 80.87 | ng | | -0.03 |
| 78) Terphenyl-d14 | 20.08 | 244 | 537340 | 79.86 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 16317 | 38.97 | ng | # | 100 |
| 3) Pyridine | 3.93 | 79 | 50623 | 39.81 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 22708 | 33.96 | ng | | 88 |
| 6) Aniline | 7.43 | 93 | 83346 | 39.67 | ng | # | 84 |
| 8) 2-Chlorophenol | 7.67 | 128 | 53704 | 40.98 | ng | | 93 |
| 9) Benzaldehyde | 7.24 | 77 | 37665 | 34.81 | ng | | 91 |
| 10) Phenol | 7.29 | 94 | 71536 | 41.89 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 49922 | 39.47 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 59001 | 39.72 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 60155 | 39.21 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 58552 | 40.02 | ng | | 96 |
| 15) Benzyl Alcohol | 8.34 | 79 | 51972 | 36.50 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 73593 | 35.68 | ng | | 92 |
| 17) 2-Methylphenol | 8.54 | 107 | 48261 | 40.03 | ng | # | 93 |
| 18) Hexachloroethane | 9.20 | 117 | 21571 | 37.55 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 44943 | 35.12 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 66184 | 38.99 | ng | | 95 |
| 22) Acetophenone | 8.93 | 105 | 89971 | 39.24 | ng | # | 94 |
| 24) Nitrobenzene | 9.32 | 77 | 73433 | 41.30 | ng | | 90 |
| 25) Isophorone | 9.84 | 82 | 127712 | 36.34 | ng | | 97 |
| 26) 2-Nitrophenol | 10.04 | 139 | 32341 | 47.10 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 56609 | 39.59 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 67015 | 39.03 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 60906 | 41.69 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 66330 | 40.18 | ng | | 94 |
| 31) Naphthalene | 10.98 | 128 | 176875 | 39.47 | ng | | 99 |
| 32) Benzoic acid | 10.21 | 122 | 45020 | 46.88 | ng | # | 87 |
| 33) 4-Chloroaniline | 11.08 | 127 | 76525 | 38.75 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.26 | 225 | 46413 | 38.11 | ng | | 96 |
| 35) Caprolactam | 11.86 | 113 | 19062 | 35.05 | ng | # | 81 |
| 36) 4-Chloro-3-methylphenol | 12.19 | 107 | 68920 | 37.88 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 125059 | 38.08 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 86320 | 41.26 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 30940 | 25.93 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.17 | 196 | 57737 | 41.68 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.24 | 196 | 60940 | 41.62 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.57 | 154 | 181639 | 40.14 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.62 | 162 | 142777 | 40.94 | ng | | 97 |
| 47) 2-Nitroaniline | 13.82 | 65 | 46702 | 42.40 | ng | | 90 |
| 48) Acenaphthylene | 14.47 | 152 | 233034 | 39.23 | ng | | 98 |
| 49) Dimethylphthalate | 14.19 | 163 | 183664 | 37.03 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 39778 | 42.66 | ng | # | 78 |
| 51) Acenaphthene | 14.80 | 154 | 143137 | 39.71 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 41049 | 42.37 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 14654 | 35.38 | ng | | 90 |
| 54) Dibenzofuran | 15.14 | 168 | 207063 | 38.61 | ng | | 95 |
| 55) 4-Nitrophenol | 14.94 | 139 | 31943 | 37.86 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 57413 | 44.13 | ng | # | 97 |
| 57) Fluorene | 15.78 | 166 | 178601 | 37.21 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 53944 | 39.81 | ng | | 95 |
| 59) Diethylphthalate | 15.55 | 149 | 188453 | 35.11 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204 | 102205 | 37.09 | ng | | 96 |
| 61) 4-Nitroaniline | 15.80 | 138 | 43119 | 39.57 | ng | # | 75 |
| 62) Azobenzene | 16.07 | 77 | 161043 | 36.06 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 28443 | 38.56 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 157916 | 40.08 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.66 | 248 | 67758 | 40.05 | ng | | 96 |
| 67) Hexachlorobenzene | 16.79 | 284 | 70467 | 39.99 | ng | | 95 |
| 68) Atrazine | 16.93 | 200 | 64182 | 37.50 | ng | | 97 |
| 69) Pentachlorophenol | 17.13 | 266 | 43838 | 42.62 | ng | | 94 |
| 70) Phenanthrene | 17.52 | 178 | 303070 | 39.35 | ng | | 97 |
| 71) Anthracene | 17.62 | 178 | 306330 | 39.04 | ng | | 95 |
| 72) Carbazole | 17.88 | 167 | 268754 | 38.88 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.43 | 149 | 322071 | 38.02 | ng | | 99 |
| 74) Fluoranthene | 19.53 | 202 | 385648 | 39.14 | ng | | 93 |
| 76) Benzidine | 19.70 | 184 | 181124 | 33.60 | ng | | 96 |
| 77) Pyrene | 19.89 | 202 | 386995 | 40.08 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.77 | 149 | 150219 | 39.69 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.73 | 228 | 393777 | 39.19 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 143416 | 37.48 | ng | # | 99 |
| 82) Chrysene | 21.81 | 228 | 373787 | 39.18 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 209707 | 37.76 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.86 | 149 | 357992 | 39.64 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 28.78 | 276 | 389032 | 37.02 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.99 | 252 | 356002 | 37.43 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.06 | 252 | 362173 | 38.44 | ng | # | 94 |
| 89) Benzo(a)pyrene | 24.88 | 252 | 353909 | 39.19 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 28.85 | 278 | 320111 | 35.88 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 29.95 | 276 | 280306 | 31.99 | ng | # | 93 |

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

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