Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071916\
Data File : BG023172.D
Acq On : 19 Jul 2016 12:07
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 19 15:46:50 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:46:37 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 104557 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.98 | 136 | 498938 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 365074 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 872820 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 843612 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.27 | 264 | 826811 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 495400 | 77.49 | ng | | 0.00 |
| 7) Phenol-d6 | 7.30 | 99 | 810856 | 80.98 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 941518 | 80.80 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 407053 | 62.04 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.41 | 172 | 1841423 | 79.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 2416782 | 95.03 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 91355 | 36.76 | ng | | 91 |
| 3) Pyridine | 3.95 | 79 | 344124 | 40.47 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 157717 | 43.23 | ng | # | 92 |
| 6) Aniline | 7.46 | 93 | 577908 | 41.65 | ng | | 95 |
| 8) 2-Chlorophenol | 7.70 | 128 | 283898 | 41.73 | ng | | 99 |
| 9) Benzaldehyde | 7.27 | 77 | 270161 | 40.38 | ng | | 94 |
| 10) Phenol | 7.32 | 94 | 423262 | 41.08 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.55 | 93 | 335731 | 41.12 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 333179 | 40.01 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 333743 | 40.03 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 330033 | 39.82 | ng | | 92 |
| 15) Benzyl Alcohol | 8.38 | 79 | 380859 | 41.53 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 472691 | 47.39 | ng | | 93 |
| 17) 2-Methylphenol | 8.58 | 107 | 272603 | 40.65 | ng | | 96 |
| 18) Hexachloroethane | 9.23 | 117 | 141148 | 40.11 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 383953 | 42.54 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 395067 | 42.24 | ng | | 96 |
| 22) Acetophenone | 8.97 | 105 | 596575 | 39.84 | ng | # | 95 |
| 24) Nitrobenzene | 9.36 | 77 | 497804 | 40.20 | ng | | 95 |
| 25) Isophorone | 9.88 | 82 | 938566 | 40.05 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.08 | 139 | 203096 | 41.80 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 332249 | 39.56 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 540662 | 41.37 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.62 | 162 | 340486 | 38.01 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 385774 | 37.59 | ng | | 97 |
| 31) Naphthalene | 11.02 | 128 | 1016613 | 40.03 | ng | | 99 |
| 32) Benzoic acid | 10.28 | 122 | 275134 | 36.01 | ng | | 94 |
| 33) 4-Chloroaniline | 11.13 | 127 | 497702 | 40.07 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 290618 | 34.93 | ng | | 98 |
| 35) Caprolactam | 11.91 | 113 | 134524 | 36.50 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 459731 | 37.53 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 798449 | 39.77 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 574037 | 36.49 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 431406 | 47.63 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.23 | 196 | 336861 | 37.25 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.31 | 196 | 342727 | 36.91 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.63 | 154 | 1125325 | 41.08 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 911269 | 41.01 | ng | | 96 |
| 47) 2-Nitroaniline | 13.88 | 65 | 402578 | 42.46 | ng | | 97 |
| 48) Acenaphthylene | 14.52 | 152 | 1346059 | 40.38 | ng | | 98 |
| 49) Dimethylphthalate | 14.25 | 163 | 1147213 | 38.47 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.37 | 165 | 263586 | 39.33 | ng | | 88 |
| 51) Acenaphthene | 14.87 | 154 | 870777 | 39.98 | ng | | 98 |
| 52) 3-Nitroaniline | 14.71 | 138 | 277174 | 41.47 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.91 | 184 | 184100 | 40.03 | ng | | 93 |
| 54) Dibenzofuran | 15.20 | 168 | 1254058 | 38.46 | ng | | 96 |
| 55) 4-Nitrophenol | 15.02 | 139 | 251412 | 44.88 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 379988 | 38.89 | ng | | 93 |
| 57) Fluorene | 15.85 | 166 | 1092391 | 38.93 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 312619 | 33.65 | ng | | 93 |
| 59) Diethylphthalate | 15.61 | 149 | 1173421 | 38.67 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204 | 618361 | 36.18 | ng | | 99 |
| 61) 4-Nitroaniline | 15.88 | 138 | 297455 | 41.13 | ng | # | 79 |
| 62) Azobenzene | 16.13 | 77 | 1251358 | 43.12 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 267615 | 41.25 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 1038821 | 41.31 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 398058 | 35.05 | ng | | 99 |
| 67) Hexachlorobenzene | 16.86 | 284 | 432090 | 35.00 | ng | # | 93 |
| 68) Atrazine | 17.00 | 200 | 410069 | 36.76 | ng | | 96 |
| 69) Pentachlorophenol | 17.20 | 266 | 347378 | 43.44 | ng | | 99 |
| 70) Phenanthrene | 17.60 | 178 | 1729390 | 40.43 | ng | | 98 |
| 71) Anthracene | 17.69 | 178 | 1778931 | 41.07 | ng | | 99 |
| 72) Carbazole | 17.97 | 167 | 1553131 | 41.50 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 1836939 | 44.13 | ng | | 99 |
| 74) Fluoranthene | 19.61 | 202 | 1968229 | 37.50 | ng | | 97 |
| 76) Benzidine | 19.79 | 184 | 1573745 | 65.07 | ng | | 96 |
| 77) Pyrene | 19.98 | 202 | 2019681 | 42.60 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.85 | 149 | 876582 | 46.68 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.86 | 228 | 1903619 | 40.33 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.77 | 252 | 796248 | 38.43 | ng | # | 96 |
| 82) Chrysene | 21.93 | 228 | 1806501 | 40.80 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 1219768 | 46.78 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 23.01 | 149 | 2017577 | 46.40 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.17 | 276 | 2042932 | 36.19 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.19 | 252 | 1955240 | 40.99 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 24.26 | 252 | 1874002 | 41.40 | ng | # | 98 |
| 89) Benzo(a)pyrene | 25.11 | 252 | 1864958 | 40.79 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 29.23 | 278 | 1790776 | 39.46 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 30.39 | 276 | 1784364 | 39.26 | ng | # | 97 |

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

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