Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092507.D
Acq On : 26 Jan 2017 5:17
Operator : SJ/MA
Sample : I1346-07MSD
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P14-11917MSD

Quant Time: Jan 26 12:44:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 150596 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 587370 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.03 | 164 | 336870 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 544706 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.16 | 240 | 381227 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.63 | 264 | 333164 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 1358908 | 140.39 | ng | | 0.02 |
| 7) Phenol-d6 | 6.60 | 99 | 1725861 | 139.98 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1048837 | 97.54 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.82 | 330 | 314356 | 136.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1466702 | 80.51 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.11 | 244 | 1328902 | 92.82 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.67 | 88 | 218787 | 42.50 | ng | # | 82 |
| 3) Pyridine | 3.42 | 79 | 609348 | 41.58 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.38 | 42 | 324353 | 45.11 | ng | | 85 |
| 6) Aniline | 6.62 | 93 | 358301 | 19.48 | ng | # | 46 |
| 8) 2-Chlorophenol | 6.75 | 128 | 483382 | 47.54 | ng | | 93 |
| 9) Benzaldehyde | 6.51 | 77 | 339014 | 38.75 | ng | | 91 |
| 10) Phenol | 6.61 | 94 | 828133 | 55.65 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 496924 | 44.63 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 567170m | 47.17 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 580593 | 47.98 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 499637 | 43.52 | ng | | 99 |
| 15) Benzyl Alcohol | 7.12 | 79 | 495252 | 53.30 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 960663 | 43.62 | ng | | 93 |
| 17) 2-Methylphenol | 7.22 | 107 | 437468 | 50.36 | ng | | 96 |
| 18) Hexachloroethane | 7.48 | 117 | 193809 | 46.49 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 374145 | 44.56 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 515982 | 48.96 | ng | | 94 |
| 22) Acetophenone | 7.38 | 105 | 706687 | 50.52 | ng | # | 86 |
| 24) Nitrobenzene | 7.56 | 77 | 583952 | 51.84 | ng | # | 84 |
| 25) Isophorone | 7.80 | 82 | 1055068 | 49.79 | ng | | 99 |
| 26) 2-Nitrophenol | 7.87 | 139 | 262015 | 55.51 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 497023 | 50.63 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93 | 610608 | 43.90 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 439195 | 51.60 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 439542 | 47.78 | ng | | 96 |
| 31) Naphthalene | 8.28 | 128 | 1367967 | 45.50 | ng | | 99 |
| 32) Benzoic acid | 8.00 | 122 | 107788 | 17.95 | ng | | 95 |
| 33) 4-Chloroaniline | 8.33 | 127 | 130393 | 10.25 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 242150 | 48.12 | ng | | 98 |
| 35) Caprolactam | 8.70 | 113 | 109703 | 38.60 | ng | # | 18 |
| 36) 4-Chloro-3-methylphenol | 8.82 | 107 | 475900 | 51.85 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.98 | 142 | 924316 | 48.57 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216 | 442663 | 52.09 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 330615 | 77.69 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.26 | 196 | 325001 | 49.92 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.30 | 196 | 304568 | 51.13 | ng | | 92 |
| 45) 1,1'-Biphenyl | 9.45 | 154 | 1096525 | 45.03 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.47 | 162 | 851646 | 42.82 | ng | | 95 |
| 47) 2-Nitroaniline | 9.56 | 65 | 307880 | 45.97 | ng | | 89 |
| 48) Acenaphthylene | 9.89 | 152 | 1456899 | 49.94 | ng | | 99 |
| 49) Dimethylphthalate | 9.76 | 163 | 1188488 | 55.48 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.81 | 165 | 254059 | 58.02 | ng | # | 93 |
| 51) Acenaphthene | 10.06 | 154 | 959785 | 52.95 | ng | | 97 |
| 52) 3-Nitroaniline | 9.97 | 138 | 88451 | 16.13 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.09 | 184 | 162969 | 64.16 | ng | | 96 |
| 54) Dibenzofuran | 10.24 | 168 | 1285266 | 52.22 | ng | | 98 |
| 55) 4-Nitrophenol | 10.14 | 139 | 447953 | 102.86 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 311998 | 53.68 | ng | | 93 |
| 57) Fluorene | 10.58 | 166 | 920809 | 50.45 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 237101 | 53.12 | ng | # | 99 |
| 59) Diethylphthalate | 10.45 | 149 | 951147 | 46.31 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.57 | 204 | 399877 | 45.17 | ng | | 97 |
| 61) 4-Nitroaniline | 10.60 | 138 | 255329 | 46.55 | ng | | 91 |
| 62) Azobenzene | 10.73 | 77 | 1115080 | 47.70 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 140504 | 47.88 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 10.69 | 169 | 874512 | 51.41 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.06 | 248 | 256080 | 46.56 | ng | | 93 |
| 67) Hexachlorobenzene | 11.13 | 284 | 262312 | 47.18 | ng | # | 95 |
| 68) Atrazine | 11.22 | 200 | 255906 | 43.95 | ng | | 99 |
| 69) Pentachlorophenol | 11.32 | 266 | 306505 | 86.23 | ng | | 97 |
| 70) Phenanthrene | 11.55 | 178 | 2046527 | 68.23 | ng | | 99 |
| 71) Anthracene | 11.60 | 178 | 1473140 | 50.25 | ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 1551852 | 55.44 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 1669387 | 52.16 | ng | # | 96 |
| 74) Fluoranthene | 12.73 | 202 | 1779403 | 60.65 | ng | | 98 |
| 76) Benzidine | 12.85 | 184 | 428140 | 30.25 | ng | | 97 |
| 77) Pyrene | 12.96 | 202 | 1714580 | 62.07 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 652755 | 58.33 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 1070686 | 52.26 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 291720 | 37.50 | ng | # | 96 |
| 82) Chrysene | 14.18 | 228 | 925509 | 42.30 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.13 | 149 | 782324 | 55.51 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.75 | 149 | 1363869 | 53.31 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.13 | 276 | 1096947 | 67.76 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.20 | 252 | 1184398m | 55.38 | ng | | |
| 88) Benzo(k)fluoranthene | 15.23 | 252 | 730211m | 41.06 | ng | | |
| 89) Benzo(a)pyrene | 15.57 | 252 | 946889 | 52.33 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.14 | 278 | 879649 | 60.12 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.57 | 276 | 933405 | 63.08 | ng | # | 91 |

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

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