Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092485.D
Acq On : 25 Jan 2017 19:13
Operator : SJ/MA
Sample : PB96282BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB96282BS

Quant Time: Jan 26 14:54:40 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 | 159274 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 644665 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.03 | 164 | 361339 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 599743 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.16 | 240 | 520154 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.63 | 264 | 431805 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 1108139 | 108.25 | ng | | 0.02 |
| 7) Phenol-d6 | 6.59 | 99 | 1287303 | 98.72 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 874787 | 74.12 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.82 | 330 | 288462 | 117.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1363449 | 69.78 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.10 | 244 | 1404042 | 71.88 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 162629 | 29.87 | ng | # | 78 |
| 3) Pyridine | 3.45 | 79 | 445775 | 28.76 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.40 | 42 | 243146 | 31.98 | ng | | 82 |
| 6) Aniline | 6.62 | 93 | 246864 | 12.69 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.75 | 128 | 388337 | 36.11 | ng | | 99 |
| 9) Benzaldehyde | 6.51 | 77 | 207562 | 22.43 | ng | | 97 |
| 10) Phenol | 6.60 | 94 | 551548 | 35.04 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 395960 | 33.62 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 434120 | 34.14 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 415552 | 32.47 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 412732 | 33.99 | ng | | 96 |
| 15) Benzyl Alcohol | 7.10 | 79 | 343530 | 34.96 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 753231 | 32.34 | ng | | 93 |
| 17) 2-Methylphenol | 7.22 | 107 | 340246 | 37.03 | ng | | 96 |
| 18) Hexachloroethane | 7.48 | 117 | 143273 | 32.50 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 275153 | 30.99 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 392507 | 35.21 | ng | | 93 |
| 22) Acetophenone | 7.38 | 105 | 531264 | 34.60 | ng | # | 98 |
| 24) Nitrobenzene | 7.55 | 77 | 419975 | 33.97 | ng | | 99 |
| 25) Isophorone | 7.79 | 82 | 780230 | 33.55 | ng | | 95 |
| 26) 2-Nitrophenol | 7.87 | 139 | 199157 | 38.44 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 374091 | 34.72 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93 | 497229 | 32.57 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 333832 | 35.74 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 356855 | 35.34 | ng | | 96 |
| 31) Naphthalene | 8.28 | 128 | 1081623 | 32.78 | ng | | 99 |
| 32) Benzoic acid | 8.02 | 122 | 257080 | 33.49 | ng | | 99 |
| 33) 4-Chloroaniline | 8.33 | 127 | 115161 | 8.25 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 179073 | 32.43 | ng | | 97 |
| 35) Caprolactam | 8.69 | 113 | 116538m | 37.36 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 351416 | 34.89 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.98 | 142 | 745640 | 35.70 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216 | 344041 | 37.75 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 341807 | 74.88 | ng | | 98 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 252863 | 36.21 ng | | 90 |
| 43) 2,4,5-Trichlorophenol | 9.30 | 196 | 224695 | 35.16 ng | # | 82 |
| 45) 1,1'-Biphenyl | 9.45 | 154 | 960946 | 36.79 ng | | 98 |
| 46) 2-Chloronaphthalene | 9.47 | 162 | 704567 | 33.02 ng | | 98 |
| 47) 2-Nitroaniline | 9.56 | 65 | 245403 | 34.16 ng | | 94 |
| 48) Acenaphthylene | 9.89 | 152 | 1151498 | 36.80 ng | | 97 |
| 49) Dimethylphthalate | 9.74 | 163 | 791065 | 34.43 ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 176568 | 37.59 ng | # | 59 |
| 51) Acenaphthene | 10.06 | 154 | 749902 | 38.57 ng | | 99 |
| 52) 3-Nitroaniline | 9.97 | 138 | 81789 | 13.90 ng | | 87 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 145854 | 57.23 ng | # | 59 |
| 54) Dibenzofuran | 10.24 | 168 | 1040174 | 39.40 ng | | 92 |
| 55) 4-Nitrophenol | 10.13 | 139 | 357928 | 76.62 ng | | 89 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 275984 | 44.27 ng | # | 76 |
| 57) Fluorene | 10.58 | 166 | 753251 | 38.48 ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 204568 | 42.73 ng | | 97 |
| 59) Diethylphthalate | 10.45 | 149 | 848944 | 38.53 ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.57 | 204 | 336295 | 35.42 ng | | 87 |
| 61) 4-Nitroaniline | 10.59 | 138 | 183387 | 31.17 ng | | 96 |
| 62) Azobenzene | 10.73 | 77 | 934194 | 37.26 ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 108077 | 34.94 ng | # | 34 |
| 65) n-Nitrosodiphenylamine | 10.68 | 169 | 648499 | 34.62 ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.06 | 248 | 208780 | 34.48 ng | | 94 |
| 67) Hexachlorobenzene | 11.13 | 284 | 213233 | 34.84 ng | # | 89 |
| 68) Atrazine | 11.22 | 200 | 234299 | 36.55 ng | | 95 |
| 69) Pentachlorophenol | 11.31 | 266 | 265615 | 67.87 ng | | 97 |
| 70) Phenanthrene | 11.54 | 178 | 1146695 | 34.72 ng | | 99 |
| 71) Anthracene | 11.58 | 178 | 1164534 | 36.08 ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 1138190 | 36.93 ng | | 98 |
| 73) Di-n-butylphthalate | 12.08 | 149 | 1265617 | 35.91 ng | # | 98 |
| 74) Fluoranthene | 12.73 | 202 | 1229678 | 38.06 ng | | 96 |
| 76) Benzidine | 12.84 | 184 | 258928 | 13.41 ng | | 99 |
| 77) Pyrene | 12.96 | 202 | 1240973 | 32.93 ng | | 99 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 543542 | 35.60 ng | | 99 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 994658 | 35.58 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 247928 | 23.36 ng | # | 93 |
| 82) Chrysene | 14.18 | 228 | 932792 | 31.24 ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.13 | 149 | 682864 | 35.51 ng | | 99 |
| 84) Di-n-octyl phthalate | 14.75 | 149 | 1354913 | 38.81 ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.11 | 276 | 822284 | 37.23 ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.20 | 252 | 926462 | 33.42 ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.23 | 252 | 946564m | 41.06 ng | | |
| 89) Benzo(a)pyrene | 15.56 | 252 | 888884 | 37.90 ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.13 | 278 | 686997 | 36.23 ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.55 | 276 | 678280 | 35.37 ng | # | 90 |

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

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