Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084383.D
Acq On : 11 Jan 2016 16:53
Operator : SJ/UM
Sample : PB87733BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB87733BS

Quant Time: Jan 12 03:27:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 254949 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1055674 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 450907 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 765979 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.02 | 240 | 511788 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.45 | 264 | 426239 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1919692 | 121.79 | ng | | -0.01 |
| 7) Phenol-d6 | 6.51 | 99 | 2315661 | 116.98 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1387610 | 73.15 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 536837 | 117.93 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 2207214 | 86.20 | ng | | -0.04 |
| 78) Terphenyl-d14 | 12.97 | 244 | 1715549 | 74.82 | ng | | -0.05 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.54 | 88 | 220244 | 29.50 | ng | # | 71 |
| 3) Pyridine | 3.26 | 79 | 619653 | 29.77 | ng | # | 71 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 361206 | 33.80 | ng | | 79 |
| 6) Aniline | 6.52 | 93 | 286541 | 9.89 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.65 | 128 | 698699 | 39.07 | ng | | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 154299 | 11.97 | ng | | 99 |
| 10) Phenol | 6.52 | 94 | 925119 | 41.10 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 620150 | 35.57 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 702097m | 38.06 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 703840m | 38.05 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 618625 | 34.92 | ng | | 96 |
| 15) Benzyl Alcohol | 7.00 | 79 | 524502 | 31.50 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 1036857 | 32.66 | ng | | 88 |
| 17) 2-Methylphenol | 7.13 | 107 | 556281 | 37.11 | ng | # | 91 |
| 18) Hexachloroethane | 7.37 | 117 | 260562 | 35.22 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 454624 | 33.93 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 669457 | 38.00 | ng | # | 67 |
| 22) Acetophenone | 7.26 | 105 | 946011 | 37.27 | ng | | 95 |
| 24) Nitrobenzene | 7.45 | 77 | 747872 | 38.87 | ng | | 90 |
| 25) Isophorone | 7.69 | 82 | 1313217 | 36.20 | ng | | 95 |
| 26) 2-Nitrophenol | 7.76 | 139 | 317741 | 36.29 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 600366 | 33.88 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 758176 | 34.22 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 558555 | 37.83 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 598061 | 39.24 | ng | # | 95 |
| 31) Naphthalene | 8.17 | 128 | 1907906 | 39.83 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 273929 | 27.15 | ng | | 92 |
| 33) 4-Chloroaniline | 8.21 | 127 | 128222 | 5.84 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 322787 | 36.84 | ng | | 97 |
| 35) Caprolactam | 8.59 | 113 | 170157 | 34.19 | ng | # | 42 |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 663427 | 40.12 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 1181323 | 34.36 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 550715 | 42.48 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 279830 | 35.76 | ng | | 99 |

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 353499 | 36.45 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 347549 | 37.38 | ng | # | 81 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 1447329 | 40.39 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 1052737 | 37.40 | ng | | 96 |
| 47) 2-Nitroaniline | 9.45 | 65 | 420498 | 45.26 | ng | # | 85 |
| 48) Acenaphthylene | 9.76 | 152 | 1690719 | 40.65 | ng | | 97 |
| 49) Dimethylphthalate | 9.63 | 163 | 1441338 | 44.71 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 297390 | 42.06 | ng | # | 62 |
| 51) Acenaphthene | 9.93 | 154 | 1128496 | 40.45 | ng | | 97 |
| 52) 3-Nitroaniline | 9.86 | 138 | 142620 | 16.28 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 131008 | 45.12 | ng | | 93 |
| 54) Dibenzofuran | 10.11 | 168 | 1467397 | 40.31 | ng | | 96 |
| 55) 4-Nitrophenol | 10.03 | 139 | 367648 | 57.81 | ng | # | 76 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 348545 | 38.95 | ng | # | 86 |
| 57) Fluorene | 10.44 | 166 | 1097639 | 38.97 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 289399 | 36.46 | ng | | 95 |
| 59) Diethylphthalate | 10.33 | 149 | 1322206 | 41.60 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 574048 | 49.49 | ng | | 97 |
| 61) 4-Nitroaniline | 10.46 | 138 | 261493 | 33.48 | ng | | 93 |
| 62) Azobenzene | 10.60 | 77 | 1419881 | 40.73 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 116823 | 26.04 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 1005587 | 41.06 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 360435 | 43.72 | ng | | 98 |
| 67) Hexachlorobenzene | 10.99 | 284 | 351581 | 37.89 | ng | # | 83 |
| 68) Atrazine | 11.09 | 200 | 381024 | 47.54 | ng | | 97 |
| 69) Pentachlorophenol | 11.20 | 266 | 322112 | 66.95 | ng | | 99 |
| 70) Phenanthrene | 11.41 | 178 | 1642625 | 41.00 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 1606562 | 40.90 | ng | | 98 |
| 72) Carbazole | 11.62 | 167 | 1490646 | 38.82 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1971981 | 49.57 | ng | # | 97 |
| 74) Fluoranthene | 12.59 | 202 | 1337112 | 31.95 | ng | | 99 |
| 76) Benzidine | 12.72 | 184 | 629281 | 34.29 | ng | | 99 |
| 77) Pyrene | 12.82 | 202 | 1330609 | 33.13 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 679061 | 39.07 | ng | # | 83 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 1075246 | 35.78 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 376852 | 35.93 | ng | # | 96 |
| 82) Chrysene | 14.04 | 228 | 909425 | 31.49 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 877406 | 39.96 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1382374 | 37.29 | ng | # | 87 |
| 85) Indeno(1,2,3-cd)pyrene | 16.84 | 276 | 858853 | 37.52 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 992442 | 35.59 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.07 | 252 | 988533m | 43.35 | ng | | |
| 89) Benzo(a)pyrene | 15.39 | 252 | 944999 | 39.96 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 16.85 | 278 | 735301 | 36.13 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.27 | 276 | 681315 | 32.33 | ng | | 98 |

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

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