Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092535.D
Acq On : 26 Jan 2017 20:04
Operator : SJ/MA
Sample : PB96342BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB96342BS

**Manual Integrations APPROVED**
mohammad
1/27/2017 3:03:04 PM

Quant Time: Jan 27 01:21:30 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 | 158959 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.27 | 136 | 655850 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.03 | 164 | 358994 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 601635 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.17 | 240 | 493763 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.64 | 264 | 401177 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 1396785 | 136.71 | ng | | 0.03 |
| 7) Phenol-d6 | 6.60 | 99 | 1616485 | 124.21 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1059450 | 88.24 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.83 | 330 | 384329 | 157.10 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.36 | 172 | 1932654 | 99.55 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.11 | 244 | 1680725 | 90.64 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.72 | 88 | 199980 | 36.80 | ng | # | 83 |
| 3) Pyridine | 3.47 | 79 | 588705 | 38.06 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 304515 | 40.13 | ng | | 86 |
| 6) Aniline | 6.64 | 93 | 393698 | 20.28 | ng | # | 43 |
| 8) 2-Chlorophenol | 6.76 | 128 | 489628 | 45.62 | ng | | 89 |
| 9) Benzaldehyde | 6.51 | 77 | 236293 | 25.59 | ng | | 87 |
| 10) Phenol | 6.61 | 94 | 691830 | 44.04 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 466570 | 39.70 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 525960m | 41.44 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 554078 | 43.38 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 503265m | 41.53 | ng | | |
| 15) Benzyl Alcohol | 7.12 | 79 | 490461 | 50.01 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 915868 | 39.39 | ng | | 92 |
| 17) 2-Methylphenol | 7.23 | 107 | 456632 | 49.80 | ng | | 94 |
| 18) Hexachloroethane | 7.49 | 117 | 193982 | 44.08 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 355210 | 40.08 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 481709 | 43.30 | ng | | 93 |
| 22) Acetophenone | 7.39 | 105 | 710379 | 45.48 | ng | # | 94 |
| 24) Nitrobenzene | 7.56 | 77 | 596607 | 47.43 | ng | # | 90 |
| 25) Isophorone | 7.80 | 82 | 1039511 | 43.94 | ng | | 97 |
| 26) 2-Nitrophenol | 7.88 | 139 | 289523 | 54.93 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 514863 | 46.97 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93 | 634898 | 40.88 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 463773 | 48.80 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 455015 | 44.30 | ng | | 95 |
| 31) Naphthalene | 8.29 | 128 | 1425454 | 42.47 | ng | | 99 |
| 32) Benzoic acid | 8.04 | 122 | 368313 | 45.25 | ng | | 97 |
| 33) 4-Chloroaniline | 8.33 | 127 | 151695 | 10.68 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 245611 | 43.72 | ng | | 99 |
| 35) Caprolactam | 8.72 | 113 | 153040m | 48.22 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.82 | 107 | 467451 | 45.61 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.99 | 142 | 991329 | 46.65 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216 | 414837 | 45.81 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 427046 | 94.17 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.26 | 196 | 357016 | 51.46 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 9.31 | 196 | 298389 | 47.00 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.45 | 154 | 1165640 | 44.92 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.48 | 162 | 937817 | 44.25 | ng | | 96 |
| 47) 2-Nitroaniline | 9.57 | 65 | 348752 | 48.86 | ng | | 89 |
| 48) Acenaphthylene | 9.89 | 152 | 1417495 | 45.60 | ng | | 99 |
| 49) Dimethylphthalate | 9.76 | 163 | 1136848 | 49.80 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.81 | 165 | 235282 | 50.42 | ng | # | 82 |
| 51) Acenaphthene | 10.06 | 154 | 928475 | 48.06 | ng | | 97 |
| 52) 3-Nitroaniline | 9.98 | 138 | 123748 | 21.18 | ng | | 80 |
| 53) 2,4-Dinitrophenol | 10.09 | 184 | 224615 | 75.25 | ng | # | 63 |
| 54) Dibenzofuran | 10.24 | 168 | 1239155 | 47.24 | ng | | 97 |
| 55) 4-Nitrophenol | 10.14 | 139 | 398010 | 85.76 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 364876 | 58.91 | ng | # | 72 |
| 57) Fluorene | 10.58 | 166 | 911240 | 46.85 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.36 | 232 | 257355m | 54.11 | ng | | |
| 59) Diethylphthalate | 10.45 | 149 | 1007580 | 46.03 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 450489 | 47.76 | ng | # | 72 |
| 61) 4-Nitroaniline | 10.60 | 138 | 246416 | 42.16 | ng | | 93 |
| 62) Azobenzene | 10.74 | 77 | 1241926 | 49.86 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 179045 | 54.48 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 10.69 | 169 | 853818 | 45.44 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.07 | 248 | 273266 | 44.99 | ng | # | 75 |
| 67) Hexachlorobenzene | 11.13 | 284 | 260612 | 42.44 | ng | # | 81 |
| 68) Atrazine | 11.22 | 200 | 261935 | 40.73 | ng | | 99 |
| 69) Pentachlorophenol | 11.32 | 266 | 316177 | 80.54 | ng | | 97 |
| 70) Phenanthrene | 11.55 | 178 | 1543070 | 46.57 | ng | | 99 |
| 71) Anthracene | 11.60 | 178 | 1385236 | 42.78 | ng | | 99 |
| 72) Carbazole | 11.76 | 167 | 1486499 | 48.08 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 1716127 | 48.55 | ng | # | 95 |
| 74) Fluoranthene | 12.74 | 202 | 1575666 | 48.62 | ng | | 95 |
| 76) Benzidine | 12.85 | 184 | 422211 | 23.03 | ng | | 97 |
| 77) Pyrene | 12.97 | 202 | 1562229 | 43.67 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 768330 | 53.01 | ng | # | 82 |
| 80) Benzo(a)anthracene | 14.16 | 228 | 1211842 | 45.67 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 310082 | 30.78 | ng | | 96 |
| 82) Chrysene | 14.19 | 228 | 1116835 | 39.41 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149 | 934492 | 51.20 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.75 | 149 | 1660047 | 50.10 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.14 | 276 | 976256 | 46.56 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.21 | 252 | 1354609m | 52.60 | ng | | |
| 88) Benzo(k)fluoranthene | 15.24 | 252 | 781315m | 36.48 | ng | | |
| 89) Benzo(a)pyrene | 15.59 | 252 | 1014629 | 46.57 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.16 | 278 | 817183 | 46.38 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.59 | 276 | 796930 | 44.73 | ng | # | 91 |

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

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