Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094123.D
Acq On : 3 Apr 2017 16:21
Operator : SJ/MA
Sample : PB97988BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB97988BS

**Manual Integrations APPROVED**
mohammad
4/4/2017 5:33:57 PM

Quant Time: Apr 04 01:29:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.89 | 152 | 171204 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.39 | 136 | 682321 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.53 | 164 | 321746 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 556570 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.62 | 240 | 446430 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 16.24 | 264 | 334874 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.43 | 112 | 1271563 | 125.45 | ng | | 0.00 |
| 7) Phenol-d6 | 5.50 | 99 | 1592066 | 126.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.54 | 82 | 1011816 | 84.63 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 360872 | 141.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.72 | 172 | 1864472 | 88.39 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.34 | 244 | 1586041 | 79.63 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 163470 | 33.57 | ng | | 99 |
| 3) Pyridine | 2.77 | 79 | 499811 | 37.66 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.73 | 42 | 222205 | 40.69 | ng | | 88 |
| 6) Aniline | 5.51 | 93 | 455294 | 26.10 | ng | # | 43 |
| 8) 2-Chlorophenol | 5.66 | 128 | 502073 | 45.06 | ng | | 95 |
| 9) Benzaldehyde | 5.38 | 77 | 381837 | 45.10 | ng | | 99 |
| 10) Phenol | 5.52 | 94 | 580364 | 40.67 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 5.60 | 93 | 464360 | 41.64 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 5.82 | 146 | 534588 | 42.78 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 5.91 | 146 | 541450 | 42.78 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.09 | 146 | 502439 | 43.10 | ng | | 94 |
| 15) Benzyl Alcohol | 6.06 | 79 | 407114 | 44.36 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.22 | 45 | 656338 | 38.20 | ng | | 94 |
| 17) 2-Methylphenol | 6.20 | 107 | 416992 | 43.70 | ng | | 95 |
| 18) Hexachloroethane | 6.47 | 117 | 190461 | 42.81 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 6.37 | 70 | 347045 | 43.06 | ng | | 96 |
| 20) 3+4-Methylphenols | 6.38 | 107 | 537044 | 46.47 | ng | # | 63 |
| 22) Acetophenone | 6.36 | 105 | 702343 | 46.18 | ng | # | 86 |
| 24) Nitrobenzene | 6.56 | 77 | 513287 | 43.53 | ng | | 93 |
| 25) Isophorone | 6.85 | 82 | 928809 | 44.21 | ng | | 95 |
| 26) 2-Nitrophenol | 6.93 | 139 | 282689 | 50.27 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.00 | 122 | 461668 | 47.65 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.11 | 93 | 606434 | 43.77 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.23 | 162 | 439491 | 48.51 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.33 | 180 | 423301 | 45.36 | ng | | 97 |
| 31) Naphthalene | 7.42 | 128 | 1418693 | 43.24 | ng | | 100 |
| 32) Benzoic acid | 7.16 | 122 | 167114 | 25.91 | ng | | 91 |
| 33) 4-Chloroaniline | 7.48 | 127 | 255572 | 19.22 | ng | | 94 |
| 34) Hexachlorobutadiene | 7.57 | 225 | 214924 | 44.91 | ng | | 100 |
| 35) Caprolactam | 7.93 | 113 | 140319m | 48.57 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.11 | 107 | 461872 | 48.79 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.26 | 142 | 1003695 | 45.89 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.47 | 216 | 369635 | 42.00 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.46 | 237 | 367969 | 89.34 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.62 | 196 | 292220 | 46.93 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.67 | 196 | 296567 | 44.01 | ng | | 93 |
| 45) 1,1'-Biphenyl | 8.84 | 154 | 1118687 | 43.11 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.86 | 162 | 890224 | 43.82 | ng | | 95 |
| 47) 2-Nitroaniline | 8.99 | 65 | 269869 | 44.78 | ng | # | 79 |
| 48) Acenaphthylene | 9.36 | 152 | 1414022 | 41.88 | ng | | 99 |
| 49) Dimethylphthalate | 9.23 | 163 | 1067655 | 46.68 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.29 | 165 | 240971 | 45.96 | ng | # | 90 |
| 51) Acenaphthene | 9.57 | 154 | 843804 | 42.83 | ng | | 100 |
| 52) 3-Nitroaniline | 9.49 | 138 | 144792 | 23.52 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 9.63 | 184 | 194974 | 70.11 | ng | # | 69 |
| 54) Dibenzofuran | 9.79 | 168 | 1222670 | 45.59 | ng | | 100 |
| 55) 4-Nitrophenol | 9.74 | 139 | 374146 | 77.60 | ng | # | 61 |
| 56) 2,4-Dinitrotoluene | 9.79 | 165 | 294494 | 44.72 | ng | # | 69 |
| 57) Fluorene | 10.21 | 166 | 924820 | 41.58 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.95 | 232 | 214777 | 46.45 | ng | | 99 |
| 59) Diethylphthalate | 10.10 | 149 | 1032744 | 45.69 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.22 | 204 | 403167 | 42.55 | ng | | 97 |
| 61) 4-Nitroaniline | 10.25 | 138 | 268042 | 45.37 | ng | | 93 |
| 62) Azobenzene | 10.42 | 77 | 999418 | 46.74 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.29 | 198 | 148736 | 43.64 | ng | # | 71 |
| 65) n-Nitrosodiphenylamine | 10.37 | 169 | 881887 | 45.82 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 254509 | 46.49 | ng | | 96 |
| 67) Hexachlorobenzene | 10.89 | 284 | 261470 | 47.19 | ng | # | 87 |
| 68) Atrazine | 11.04 | 200 | 263086 | 45.63 | ng | | 94 |
| 69) Pentachlorophenol | 11.14 | 266 | 220363 | 63.89 | ng | | 96 |
| 70) Phenanthrene | 11.39 | 178 | 1384947 | 44.73 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 1419831 | 44.54 | ng | | 99 |
| 72) Carbazole | 11.66 | 167 | 1335039 | 40.84 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 1613539 | 47.46 | ng | | 99 |
| 74) Fluoranthene | 12.86 | 202 | 1421989 | 44.85 | ng | | 98 |
| 76) Benzidine | 13.02 | 184 | 825874 | 46.74 | ng | # | 93 |
| 77) Pyrene | 13.13 | 202 | 1429370 | 44.12 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.94 | 149 | 689047 | 49.91 | ng | # | 85 |
| 80) Benzo(a)anthracene | 14.60 | 228 | 1183005 | 45.44 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.57 | 252 | 197490 | 21.22 | ng | # | 96 |
| 82) Chrysene | 14.64 | 228 | 1042657 | 43.16 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.66 | 149 | 941639 | 50.00 | ng | | 99 |
| 84) Di-n-octyl phthalate | 15.42 | 149 | 1510076 | 47.99 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.59 | 276 | 834900 | 39.90 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.84 | 252 | 992061 | 48.33 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.87 | 252 | 891794 | 44.40 | ng | # | 96 |
| 89) Benzo(a)pyrene | 16.19 | 252 | 871153 | 46.09 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.61 | 278 | 688822 | 43.03 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.99 | 276 | 693010 | 42.96 | ng | | 98 |

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

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