Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050517\
Data File : BF094946.D
Acq On : 6 May 2017 6:57
Operator : SJ/MA
Sample : PB98737BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 08 01:49:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB98737BS

**Manual Integrations APPROVED**
mohammad
5/8/2017 2:48:45 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 99662 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.74 | 136 | 410050 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 12.57 | 164 | 196389 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 14.97 | 188 | 333261 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 18.64 | 240 | 247448 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 20.31 | 264 | 200631 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 813637 | 136.11 | ng | | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 955433 | 133.21 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.63 | 82 | 556103 | 85.52 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.88 | 330 | 207539 | 129.04 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.52 | 172 | 1123546 | 82.35 | ng | | -0.01 |
| 78) Terphenyl-d14 | 17.30 | 244 | 968543 | 86.21 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.16 | 88 | 99939 | 34.09 | ng | | 93 |
| 3) Pyridine | 2.84 | 79 | 235148 | 34.61 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.76 | 42 | 116084 | 40.99 | ng | | 87 |
| 6) Aniline | 7.23 | 93 | 225898 | 24.95 | ng | | 96 |
| 8) 2-Chlorophenol | 7.41 | 128 | 317093 | 46.60 | ng | | 96 |
| 9) Benzaldehyde | 7.05 | 77 | 40611 | 9.27 | ng | | 91 |
| 10) Phenol | 7.29 | 94 | 348078 | 46.05 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.37 | 93 | 271753 | 43.55 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.63 | 146 | 326462 | 42.30 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.75 | 146 | 322200 | 41.16 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.99 | 146 | 313902 | 42.97 | ng | | 96 |
| 15) Benzyl Alcohol | 8.01 | 79 | 241746 | 52.40 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.21 | 45 | 363978 | 41.21 | ng | | 52 |
| 17) 2-Methylphenol | 8.22 | 107 | 253158 | 45.47 | ng | # | 88 |
| 18) Hexachloroethane | 8.51 | 117 | 106912 | 40.32 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 8.44 | 70 | 208300 | 42.94 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.48 | 107 | 330030 | 43.62 | ng | # | 63 |
| 22) Acetophenone | 8.40 | 105 | 412938 | 41.97 | ng | # | 84 |
| 24) Nitrobenzene | 8.65 | 77 | 289816 | 42.52 | ng | | 94 |
| 25) Isophorone | 9.05 | 82 | 553983 | 47.71 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.16 | 139 | 174132 | 47.35 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.30 | 122 | 269339 | 45.29 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.42 | 93 | 351570 | 43.77 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.58 | 162 | 244487 | 43.55 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 9.67 | 180 | 247132 | 41.08 | ng | | 99 |
| 31) Naphthalene | 9.78 | 128 | 830969 | 40.32 | ng | | 100 |
| 32) Benzoic acid | 9.62 | 122 | 164308 | 42.71 | ng | | 97 |
| 33) 4-Chloroaniline | 9.94 | 127 | 47925 | 6.24 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.00 | 225 | 126291 | 39.79 | ng | | 98 |
| 35) Caprolactam | 10.55 | 113 | 83052m | 49.26 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.77 | 107 | 279726 | 46.60 | ng | | 89 |
| 37) 2-Methylnaphthalene | 10.90 | 142 | 609248 | 45.04 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.18 | 216 | 233130 | 38.60 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.16 | 237 | 206968 | 81.40 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.40 | 196 | 173115 | 42.93 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 11.48 | 196 | 176898 | 40.82 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 11.67 | 154 | 683018 | 41.31 | ng | | 99 |
| 46) 2-Chloronaphthalene | 11.68 | 162 | 541124 | 40.53 | ng | | 95 |
| 47) 2-Nitroaniline | 11.90 | 65 | 153880 | 42.11 | ng | # | 83 |
| 48) Acenaphthylene | 12.34 | 152 | 870575 | 41.63 | ng | | 99 |
| 49) Dimethylphthalate | 12.22 | 163 | 648643 | 40.23 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 12.31 | 165 | 144992 | 44.08 | ng | | 96 |
| 51) Acenaphthene | 12.62 | 154 | 509887 | 40.82 | ng | | 99 |
| 52) 3-Nitroaniline | 12.58 | 138 | 58720 | 16.63 | ng | # | 94 |
| 53) 2,4-Dinitrophenol | 12.77 | 184 | 143527 | 79.29 | ng | # | 66 |
| 54) Dibenzofuran | 12.91 | 168 | 786928 | 45.53 | ng | | 98 |
| 55) 4-Nitrophenol | 12.95 | 139 | 188476 | 88.89 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 12.97 | 165 | 194665 | 46.06 | ng | # | 92 |
| 57) Fluorene | 13.47 | 166 | 624845 | 41.57 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.15 | 232 | 137569 | 50.44 | ng | # | 93 |
| 59) Diethylphthalate | 13.37 | 149 | 636692 | 41.20 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.49 | 204 | 276668 | 41.89 | ng | | 90 |
| 61) 4-Nitroaniline | 13.58 | 138 | 132252 | 40.81 | ng | | 96 |
| 62) Azobenzene | 13.75 | 77 | 586836 | 47.26 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 13.64 | 198 | 101856 | 45.59 | ng | # | 66 |
| 65) n-Nitrosodiphenylamine | 13.70 | 169 | 532943 | 44.06 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.28 | 248 | 158123 | 44.91 | ng | | 96 |
| 67) Hexachlorobenzene | 14.36 | 284 | 158531 | 43.93 | ng | # | 83 |
| 68) Atrazine | 14.62 | 200 | 163532 | 47.89 | ng | | 96 |
| 69) Pentachlorophenol | 14.71 | 266 | 142090 | 86.57 | ng | | 99 |
| 70) Phenanthrene | 15.01 | 178 | 828891 | 43.29 | ng | | 98 |
| 71) Anthracene | 15.09 | 178 | 869921 | 44.48 | ng | | 99 |
| 72) Carbazole | 15.38 | 167 | 805949 | 45.29 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.94 | 149 | 994492 | 44.81 | ng | | 99 |
| 74) Fluoranthene | 16.75 | 202 | 889621 | 45.29 | ng | | 99 |
| 76) Benzidine | 16.97 | 184 | 276849 | 42.28 | ng | # | 93 |
| 77) Pyrene | 17.05 | 202 | 891079 | 48.15 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.96 | 149 | 373918 | 43.44 | ng | | 90 |
| 80) Benzo(a)anthracene | 18.63 | 228 | 625813 | 43.46 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.61 | 252 | 123639 | 24.86 | ng | # | 94 |
| 82) Chrysene | 18.68 | 228 | 600682 | 43.14 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.71 | 149 | 550337 | 44.87 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.47 | 149 | 953888 | 47.44 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.59 | 276 | 529216 | 46.80 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 19.90 | 252 | 544469 | 43.92 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 19.93 | 252 | 533442 | 44.61 | ng | # | 94 |
| 89) Benzo(a)pyrene | 20.25 | 252 | 510540 | 44.63 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.60 | 278 | 433416 | 45.88 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 21.97 | 276 | 465290 | 50.19 | ng | | 96 |

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

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