Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
Data File : BF091457.D
Acq On : 6 Dec 2016 14:35
Operator : UM/SJ
Sample : PB95080BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB95080BS

Quant Time: Dec 07 00:34:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 07 00:12:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 126499 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 534162 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 309108 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 547774 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 333973 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 311724 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 854001 | 110.29 | ng | | 0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 1131431 | 118.70 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 775496 | 81.36 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 346555 | 118.43 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 1499914 | 87.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.95 | 244 | 1543490 | 100.45 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 122651 | 35.01 | ng | # | 82 |
| 3) Pyridine | 3.24 | 79 | 346361 | 34.94 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.18 | 42 | 238723 | 45.89 | ng | | 98 |
| 6) Aniline | 6.50 | 93 | 317363 | 25.06 | ng | # | 75 |
| 8) 2-Chlorophenol | 6.63 | 128 | 386348 | 45.51 | ng | | 93 |
| 9) Benzaldehyde | 6.38 | 77 | 114637 | 18.70 | ng | | 96 |
| 10) Phenol | 6.49 | 94 | 438853 | 39.13 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 361263 | 45.08 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 370768m | 39.26 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 410091 | 43.65 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 361752m | 41.34 | ng | | |
| 15) Benzyl Alcohol | 6.98 | 79 | 320821 | 42.06 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 682518 | 39.61 | ng | | 71 |
| 17) 2-Methylphenol | 7.10 | 107 | 285617 | 42.56 | ng | # | 74 |
| 18) Hexachloroethane | 7.35 | 117 | 138159 | 41.42 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 259657 | 43.24 | ng | # | 95 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 389235 | 47.51 | ng | # | 67 |
| 22) Acetophenone | 7.26 | 105 | 519660 | 41.05 | ng | # | 84 |
| 24) Nitrobenzene | 7.43 | 77 | 413057 | 42.33 | ng | # | 79 |
| 25) Isophorone | 7.67 | 82 | 712607 | 42.20 | ng | | 98 |
| 26) 2-Nitrophenol | 7.74 | 139 | 170064 | 38.24 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 334788 | 40.24 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 406342 | 39.98 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 322005 | 44.00 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 359975 | 43.87 | ng | | 97 |
| 31) Naphthalene | 8.15 | 128 | 1071634 | 42.21 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 145333 | 23.70 | ng | | 89 |
| 33) 4-Chloroaniline | 8.20 | 127 | 148529 | 13.69 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 208214 | 41.27 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 86880 | 41.30 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 344476 | 43.60 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 711517 | 41.25 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 363647 | 41.73 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 273429 | 67.69 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 243966m | 43.08 | ng | | |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 223791m | 39.43 | ng | | |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 890090 | 40.05 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.33 | 162 | 640547 | 38.70 | ng | | 99 |
| 47) 2-Nitroaniline | 9.42 | 65 | 226688 | 38.13 | ng | # | 75 |
| 48) Acenaphthylene | 9.74 | 152 | 995400 | 38.20 | ng | | 99 |
| 49) Dimethylphthalate | 9.61 | 163 | 838188 | 44.78 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.67 | 165 | 200196 | 47.86 | ng | # | 72 |
| 51) Acenaphthene | 9.91 | 154 | 646307 | 36.77 | ng | | 97 |
| 52) 3-Nitroaniline | 9.83 | 138 | 107273 | 22.15 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 37238 | 20.36 | ng | # | 88 |
| 54) Dibenzofuran | 10.08 | 168 | 942740 | 40.06 | ng | | 98 |
| 55) 4-Nitrophenol | 10.00 | 139 | 189285 | 54.12 | ng | # | 67 |
| 56) 2,4-Dinitrotoluene | 10.07 | 165 | 258061 | 47.56 | ng | # | 80 |
| 57) Fluorene | 10.42 | 166 | 705163 | 39.03 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 185177 | 38.21 | ng | | 93 |
| 59) Diethylphthalate | 10.31 | 149 | 825672 | 44.69 | ng | # | 94 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 398934 | 44.03 | ng | | 99 |
| 61) 4-Nitroaniline | 10.45 | 138 | 166052 | 36.52 | ng | | 87 |
| 62) Azobenzene | 10.58 | 77 | 843061 | 44.72 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 40103 | 13.29 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 627078 | 37.76 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 242933 | 41.26 | ng | # | 72 |
| 67) Hexachlorobenzene | 10.97 | 284 | 245976 | 38.66 | ng | # | 84 |
| 68) Atrazine | 11.06 | 200 | 218256 | 40.58 | ng | | 98 |
| 69) Pentachlorophenol | 11.17 | 266 | 166966 | 44.58 | ng | | 97 |
| 70) Phenanthrene | 11.38 | 178 | 1029568 | 36.17 | ng | | 100 |
| 71) Anthracene | 11.44 | 178 | 1250508 | 44.27 | ng | | 98 |
| 72) Carbazole | 11.59 | 167 | 935246 | 36.48 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 1231437 | 42.39 | ng | | 99 |
| 74) Fluoranthene | 12.57 | 202 | 1179794 | 43.76 | ng | | 96 |
| 76) Benzidine | 12.69 | 184 | 95971 | 9.79 | ng | | 97 |
| 77) Pyrene | 12.80 | 202 | 1122099 | 44.27 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.42 | 149 | 413662 | 43.59 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 792303 | 40.57 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 151630 | 22.04 | ng | | 99 |
| 82) Chrysene | 14.01 | 228 | 731509 | 37.85 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 549484 | 45.68 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 888192 | 48.79 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 748314 | 42.28 | ng | # | 91 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 792711m | 40.91 | ng | | |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 720744m | 44.24 | ng | | |
| 89) Benzo(a)pyrene | 15.35 | 252 | 744977 | 42.81 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.83 | 278 | 621074 | 38.59 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 17.23 | 276 | 608199 | 36.65 | ng | # | 94 |

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

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