Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096784.D
Acq On : 14 Jul 2017 21:07
Operator : SJ/JU
Sample : PB100646BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB100646BSD

**Manual Integrations APPROVED**
mohammad
7/17/2017 3:56:58 PM

Quant Time: Jul 15 00:49:08 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.62 | 152 | 107424 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.91 | 136 | 448840 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 201538 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 353859 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.77 | 240 | 233419 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.14 | 264 | 206027 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 524826 | 73.46 | ng | | 0.00 |
| 7) Phenol-d6 | 6.27 | 99 | 681482 | 79.49 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 581690 | 80.27 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.45 | 330 | 143528 | 83.43 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 1027425 | 80.54 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.72 | 244 | 867698 | 64.47 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 96840 | 26.342 | ng | # | 75 |
| 3) Pyridine | 2.95 | 79 | 253816 | 32.852 | ng | # | 67 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 158444 | 36.672 | ng | | 79 |
| 6) Aniline | 6.29 | 93 | 316832 | 30.001 | ng | # | 41 |
| 8) 2-Chlorophenol | 6.41 | 128 | 302790 | 39.285 | ng | | 95 |
| 9) Benzaldehyde | 6.16 | 77 | 154018 | 31.080 | ng | | 98 |
| 10) Phenol | 6.28 | 94 | 372053 | 38.387 | ng | | 74 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 288708 | 39.612 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.56 | 146 | 312438 | 38.135 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.64 | 146 | 314731 | 37.933 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.80 | 146 | 295280 | 39.128 | ng | | 96 |
| 15) Benzyl Alcohol | 6.77 | 79 | 241348 | 42.997 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.91 | 45 | 620217 | 41.234 | ng | | 91 |
| 17) 2-Methylphenol | 6.89 | 107 | 245703 | 40.994 | ng | | 99 |
| 18) Hexachloroethane | 7.14 | 117 | 111398 | 37.864 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 200310 | 38.780 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.05 | 107 | 299528 | 41.183 | ng | # | 79 |
| 22) Acetophenone | 7.04 | 105 | 400342 | 39.908 | ng | # | 95 |
| 24) Nitrobenzene | 7.21 | 77 | 300450 | 40.090 | ng | # | 87 |
| 25) Isophorone | 7.45 | 82 | 555787 | 41.230 | ng | | 96 |
| 26) 2-Nitrophenol | 7.53 | 139 | 172246 | 41.334 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.57 | 122 | 277605 | 40.494 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93 | 380160 | 41.735 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.77 | 162 | 257242 | 41.454 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.85 | 180 | 233169 | 39.519 | ng | | 98 |
| 31) Naphthalene | 7.93 | 128 | 853327 | 40.133 | ng | | 100 |
| 32) Benzoic acid | 7.71 | 122 | 199825 | 45.605 | ng | | 94 |
| 33) 4-Chloroaniline | 7.98 | 127 | 191596 | 22.744 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.06 | 225 | 121747 | 38.653 | ng | | 99 |
| 35) Caprolactam | 8.35 | 113 | 91469m | 46.002 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.47 | 107 | 279511 | 41.890 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.62 | 142 | 580682 | 42.837 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216 | 201053 | 36.904 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.78 | 237 | 172206 | 83.791 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.90 | 196 | 162313 | 40.390 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.95 | 196 | 171369 | 42.283 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.09 | 154 | 660950 | 38.239 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.11 | 162 | 516463 | 40.578 | ng | | 95 |
| 47) 2-Nitroaniline | 9.20 | 65 | 189600 | 43.337 | ng | | 94 |
| 48) Acenaphthylene | 9.52 | 152 | 819052 | 40.388 | ng | | 99 |
| 49) Dimethylphthalate | 9.39 | 163 | 628755 | 41.433 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.45 | 165 | 138361 | 42.094 | ng | | 92 |
| 51) Acenaphthene | 9.69 | 154 | 471395 | 39.349 | ng | | 98 |
| 52) 3-Nitroaniline | 9.61 | 138 | 107509 | 27.610 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.73 | 184 | 144428 | 88.006 | ng | # | 75 |
| 54) Dibenzofuran | 9.86 | 168 | 712543 | 42.444 | ng | | 98 |
| 55) 4-Nitrophenol | 9.79 | 139 | 243295 | 85.524 | ng | # | 67 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 183088 | 43.348 | ng | # | 79 |
| 57) Fluorene | 10.20 | 166 | 524971 | 42.318 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 134143 | 47.724 | ng | # | 98 |
| 59) Diethylphthalate | 10.09 | 149 | 601090 | 40.688 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204 | 213399 | 40.410 | ng | | 98 |
| 61) 4-Nitroaniline | 10.23 | 138 | 172502 | 47.176 | ng | | 90 |
| 62) Azobenzene | 10.36 | 77 | 585695 | 44.941 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 97276 | 43.784 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.32 | 169 | 493301 | 38.999 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.69 | 248 | 145169 | 40.182 | ng | | 96 |
| 67) Hexachlorobenzene | 10.76 | 284 | 154842 | 38.482 | ng | # | 93 |
| 68) Atrazine | 10.85 | 200 | 154545 | 42.885 | ng | | 95 |
| 69) Pentachlorophenol | 10.95 | 266 | 156864 | 80.697 | ng | | 95 |
| 70) Phenanthrene | 11.16 | 178 | 807426 | 41.965 | ng | | 99 |
| 71) Anthracene | 11.22 | 178 | 828192 | 42.573 | ng | | 99 |
| 72) Carbazole | 11.37 | 167 | 816423 | 43.338 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.71 | 149 | 951040 | 40.536 | ng | | 98 |
| 74) Fluoranthene | 12.34 | 202 | 799926 | 43.435 | ng | | 99 |
| 76) Benzidine | 12.46 | 184 | 354356 | 46.340 | ng | # | 93 |
| 77) Pyrene | 12.57 | 202 | 845200 | 39.898 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.20 | 149 | 417323 | 82.924 | ng | # | 81 |
| 80) Benzo(a)anthracene | 13.75 | 228 | 645426 | 44.378 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.72 | 252 | 148728 | 28.438 | ng | # | 96 |
| 82) Chrysene | 13.79 | 228 | 636489 | 44.455 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 487350 | 39.759 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.37 | 149 | 888281 | 43.840 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 16.44 | 276 | 442807 | 34.033 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.76 | 252 | 534453 | 43.012 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.79 | 252 | 504107m | 42.843 | ng | | |
| 89) Benzo(a)pyrene | 15.09 | 252 | 500844 | 43.947 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 16.46 | 278 | 363879 | 34.699 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.84 | 276 | 385857 | 34.361 | ng | | 97 |

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

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