Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096822.D
Acq On : 17 Jul 2017 16:31
Operator : SJ/JU
Sample : I4196-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-PS-01-012MS

**Manual Integrations APPROVED**
mohammad
7/20/2017 8:38:19 AM

Quant Time: Jul 17 18:56:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 17 18:17:21 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 110839 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.89 | 136 | 522957 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.64 | 164 | 194998 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.12 | 188 | 297730 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.74 | 240 | 199225 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.11 | 264 | 204827 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 661647 | 89.76 | ng | | 0.02 |
| 7) Phenol-d6 | 6.26 | 99 | 814473 | 92.07 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.17 | 82 | 523762 | 62.04 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.43 | 330 | 148352 | 89.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.97 | 172 | 917475 | 74.34 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.70 | 244 | 515292 | 44.86 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.27 | 88 | 96987 | 25.569 | ng | # | 75 |
| 3) Pyridine | 2.93 | 79 | 238814 | 29.958 | ng | # | 63 |
| 4) n-Nitrosodimethylamine | 2.87 | 42 | 151363 | 33.954 | ng | | 81 |
| 6) Aniline | 6.27 | 93 | 277764 | 25.491 | ng | # | 19 |
| 8) 2-Chlorophenol | 6.40 | 128 | 247116 | 31.074 | ng | | 98 |
| 9) Benzaldehyde | 6.15 | 77 | 134937 | 26.391 | ng | | 99 |
| 10) Phenol | 6.28 | 94 | 331837 | 33.183 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 265617 | 35.321 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 264747 | 31.319 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 269018 | 31.425 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 253493 | 32.556 | ng | | 98 |
| 15) Benzyl Alcohol | 6.76 | 79 | 195745 | 33.798 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 580044 | 37.375 | ng | | 93 |
| 17) 2-Methylphenol | 6.88 | 107 | 221761 | 35.860 | ng | | 98 |
| 18) Hexachloroethane | 7.12 | 117 | 98957 | 32.599 | ng | # | 78 |
| 19) n-Nitroso-di-n-propylamine | 7.03 | 70 | 185941 | 34.889 | ng | # | 81 |
| 20) 3+4-Methylphenols | 7.04 | 107 | 273430 | 36.436 | ng | # | 65 |
| 22) Acetophenone | 7.03 | 105 | 377730 | 32.317 | ng | # | 99 |
| 24) Nitrobenzene | 7.19 | 77 | 263608 | 30.189 | ng | | 95 |
| 25) Isophorone | 7.44 | 82 | 456794 | 29.084 | ng | | 95 |
| 26) 2-Nitrophenol | 7.52 | 139 | 146773 | 30.230 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 254989 | 31.923 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 314391 | 29.623 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.76 | 162 | 212405 | 29.377 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 208833 | 30.378 | ng | | 98 |
| 31) Naphthalene | 7.92 | 128 | 786912 | 31.764 | ng | | 100 |
| 32) Benzoic acid | 7.66 | 122 | 28861 | 5.653 | ng | | 96 |
| 33) 4-Chloroaniline | 7.97 | 127 | 231387 | 23.574 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 104344 | 28.433 | ng | | 97 |
| 35) Caprolactam | 8.33 | 113 | 74644m | 32.220 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.46 | 107 | 237029 | 30.489 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.60 | 142 | 544881 | 34.499 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 190603 | 36.159 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 8.76 | 237 | 54265 | 30.650 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.89 | 196 | 130698 | 33.614 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.93 | 196 | 146927 | 37.468 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.07 | 154 | 586942 | 35.096 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.09 | 162 | 457136 | 37.121 | ng | | 94 |
| 47) 2-Nitroaniline | 9.19 | 65 | 163951 | 38.732 | ng | | 96 |
| 48) Acenaphthylene | 9.50 | 152 | 628976 | 32.056 | ng | | 99 |
| 49) Dimethylphthalate | 9.37 | 163 | 640421 | 43.617 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.43 | 165 | 101370 | 31.875 | ng | # | 87 |
| 51) Acenaphthene | 9.67 | 154 | 361730 | 31.208 | ng | | 99 |
| 52) 3-Nitroaniline | 9.60 | 138 | 104015 | 27.608 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 9.71 | 184 | 16172 | 16.145 | ng | # | 69 |
| 54) Dibenzofuran | 9.85 | 168 | 548147 | 33.747 | ng | | 99 |
| 55) 4-Nitrophenol | 9.77 | 139 | 154468 | 56.120 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 125217 | 30.640 | ng | # | 75 |
| 57) Fluorene | 10.19 | 166 | 390483 | 32.532 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 96309 | 35.413 | ng | | 95 |
| 59) Diethylphthalate | 10.07 | 149 | 474771 | 33.216 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204 | 172231 | 32.077 | ng | | 97 |
| 61) 4-Nitroaniline | 10.20 | 138 | 108395 | 30.638 | ng | | 92 |
| 62) Azobenzene | 10.34 | 77 | 418633 | 33.199 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 21154 | 11.316 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 10.30 | 169 | 374527 | 35.191 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.67 | 248 | 108499 | 35.694 | ng | | 95 |
| 67) Hexachlorobenzene | 10.73 | 284 | 108282 | 31.984 | ng | # | 86 |
| 68) Atrazine | 10.83 | 200 | 106383 | 35.085 | ng | | 96 |
| 69) Pentachlorophenol | 10.93 | 266 | 85349 | 52.185 | ng | | 99 |
| 70) Phenanthrene | 11.14 | 178 | 536100 | 33.116 | ng | | 99 |
| 71) Anthracene | 11.19 | 178 | 542575 | 33.149 | ng | | 99 |
| 72) Carbazole | 11.34 | 167 | 498831 | 31.471 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.69 | 149 | 696811 | 35.299 | ng | | 99 |
| 74) Fluoranthene | 12.32 | 202 | 459693 | 29.667 | ng | | 97 |
| 76) Benzidine | 12.44 | 184 | 283064 | 43.370 | ng | # | 92 |
| 77) Pyrene | 12.54 | 202 | 454519 | 25.138 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.17 | 149 | 238083 | 55.428 | ng | # | 86 |
| 80) Benzo(a)anthracene | 13.73 | 228 | 387736 | 31.236 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.69 | 252 | 138028 | 30.921 | ng | # | 95 |
| 82) Chrysene | 13.76 | 228 | 387635 | 31.721 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.74 | 149 | 332578 | 31.789 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.34 | 149 | 593733 | 34.332 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.40 | 276 | 293619 | 27.430 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.73 | 252 | 374652 | 30.328 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.76 | 252 | 369479m | 31.585 | ng | | |
| 89) Benzo(a)pyrene | 15.06 | 252 | 349651 | 30.860 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.42 | 278 | 248780 | 23.862 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.79 | 276 | 236414 | 21.176 | ng | | 96 |

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

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