Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061217\
Data File : BF095874.D
Acq On : 12 Jun 2017 16:18
Operator : SJ/MA
Sample : PB99685BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB99685BS

**Manual Integrations APPROVED**
mohammad
6/13/2017 4:10:22 PM

Quant Time: Jun 13 05:52:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.35 | 152 | 63138 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 9.38 | 136 | 264633 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 12.20 | 164 | 123565 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 14.60 | 188 | 221335 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 18.32 | 240 | 157143 | 20.00 | ng | | -0.04 |
| 86) Perylene-d12 | 19.99 | 264 | 114535 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 522616 | 131.90 | ng | | -0.03 |
| 7) Phenol-d6 | 6.92 | 99 | 603478 | 127.22 | ng | | -0.04 |
| 23) Nitrobenzene-d5 | 8.27 | 82 | 357621 | 83.93 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 13.50 | 330 | 133194 | 121.83 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 11.16 | 172 | 730643 | 82.28 | ng | | -0.05 |
| 78) Terphenyl-d14 | 16.97 | 244 | 628301 | 99.23 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.75 | 88 | 65751 | 34.882 | ng | # | 92 |
| 3) Pyridine | 2.30 | 79 | 163890 | 36.994 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.26 | 42 | 71365 | 42.372 | ng | | 82 |
| 6) Aniline | 6.85 | 93 | 161066 | 25.954 | ng | | 93 |
| 8) 2-Chlorophenol | 7.03 | 128 | 191083 | 45.355 | ng | | 95 |
| 9) Benzaldehyde | 6.66 | 77 | 59288 | 18.529 | ng | | 97 |
| 10) Phenol | 6.93 | 94 | 232842 | 47.318 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.00 | 93 | 168462 | 43.216 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.25 | 146 | 198080 | 41.538 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.37 | 146 | 202320 | 41.837 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.61 | 146 | 191117 | 42.869 | ng | | 96 |
| 15) Benzyl Alcohol | 7.66 | 79 | 150341 | 46.176 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.85 | 45 | 232474 | 42.447 | ng | | 96 |
| 17) 2-Methylphenol | 7.88 | 107 | 156143 | 44.163 | ng | | 97 |
| 18) Hexachloroethane | 8.13 | 117 | 68942 | 43.165 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.08 | 70 | 130121 | 43.285 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.15 | 107 | 202162 | 45.044 | ng | # | 59 |
| 22) Acetophenone | 8.04 | 105 | 259554 | 41.904 | ng | # | 84 |
| 24) Nitrobenzene | 8.30 | 77 | 185634 | 40.783 | ng | | 95 |
| 25) Isophorone | 8.70 | 82 | 330861 | 41.585 | ng | | 96 |
| 26) 2-Nitrophenol | 8.81 | 139 | 106298 | 44.597 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 8.96 | 122 | 166424 | 44.992 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.08 | 93 | 217648 | 41.499 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.24 | 162 | 158248 | 44.421 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 9.32 | 180 | 156114 | 42.115 | ng | | 99 |
| 31) Naphthalene | 9.42 | 128 | 539052 | 40.588 | ng | | 99 |
| 32) Benzoic acid | 9.27 | 122 | 16259m | 11.400 | ng | | |
| 33) 4-Chloroaniline | 9.57 | 127 | 122076 | 23.517 | ng | # | 92 |
| 34) Hexachlorobutadiene | 9.63 | 225 | 78819 | 41.151 | ng | | 97 |
| 35) Caprolactam | 10.20 | 113 | 48026m | 45.306 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.44 | 107 | 167780 | 44.991 | ng | | 90 |
| 37) 2-Methylnaphthalene | 10.54 | 142 | 375531 | 41.849 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.82 | 216 | 145771 | 39.418 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 10.80 | 237 | 82478 | 72.395 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.06 | 196 | 101476 | 42.679 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 11.14 | 196 | 101825 | 40.262 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 11.31 | 154 | 419823 | 41.223 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.32 | 162 | 331079 | 41.607 | ng | | 94 |
| 47) 2-Nitroaniline | 11.54 | 65 | 97564 | 41.899 | ng | # | 84 |
| 48) Acenaphthylene | 11.97 | 152 | 522324 | 38.388 | ng | | 99 |
| 49) Dimethylphthalate | 11.87 | 163 | 389115 | 41.475 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 11.96 | 165 | 84173 | 41.133 | ng | # | 81 |
| 51) Acenaphthene | 12.26 | 154 | 306408 | 38.991 | ng | | 100 |
| 52) 3-Nitroaniline | 12.23 | 138 | 66050 | 27.703 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 12.47 | 184 | 21670 | 23.663 | ng | # | 69 |
| 54) Dibenzofuran | 12.54 | 168 | 474457 | 42.898 | ng | | 98 |
| 55) 4-Nitrophenol | 12.64 | 139 | 102530 | 74.021 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 12.63 | 165 | 119202 | 43.126 | ng | # | 88 |
| 57) Fluorene | 13.10 | 166 | 383142 | 39.807 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.80 | 232 | 77112 | 44.562 | ng | # | 93 |
| 59) Diethylphthalate | 13.02 | 149 | 385042 | 42.645 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 13.13 | 204 | 170935 | 40.838 | ng | | 88 |
| 61) 4-Nitroaniline | 13.23 | 138 | 92584 | 41.591 | ng | | 97 |
| 62) Azobenzene | 13.39 | 77 | 356607 | 43.579 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 13.32 | 198 | 34452 | 23.681 | ng | # | 76 |
| 65) n-Nitrosodiphenylamine | 13.34 | 169 | 330823 | 41.596 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 13.91 | 248 | 97612 | 42.434 | ng | | 96 |
| 67) Hexachlorobenzene | 13.99 | 284 | 98231 | 43.337 | ng | # | 88 |
| 68) Atrazine | 14.27 | 200 | 100051 | 45.202 | ng | | 97 |
| 69) Pentachlorophenol | 14.36 | 266 | 43471 | 53.006 | ng | | 92 |
| 70) Phenanthrene | 14.64 | 178 | 540304 | 42.308 | ng | | 97 |
| 71) Anthracene | 14.72 | 178 | 562505 | 42.190 | ng | | 99 |
| 72) Carbazole | 15.02 | 167 | 516781 | 39.774 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.62 | 149 | 622702 | 45.048 | ng | | 98 |
| 74) Fluoranthene | 16.42 | 202 | 546958 | 43.272 | ng | | 98 |
| 76) Benzidine | 16.64 | 184 | 234577 | 38.868 | ng | # | 92 |
| 77) Pyrene | 16.72 | 202 | 548220 | 46.755 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.64 | 149 | 248095 | 48.448 | ng | | 90 |
| 80) Benzo(a)anthracene | 18.31 | 228 | 396049 | 43.349 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 18.30 | 252 | 48051 | 14.793 | ng | | 96 |
| 82) Chrysene | 18.35 | 228 | 381765 | 41.812 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.40 | 149 | 333219 | 46.130 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.16 | 149 | 472809 | 39.722 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 21.15 | 276 | 317987 | 40.704 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.58 | 252 | 288583 | 40.239 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.61 | 252 | 293803 | 42.859 | ng | | 96 |
| 89) Benzo(a)pyrene | 19.93 | 252 | 279097 | 42.340 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 21.15 | 278 | 265456 | 47.475 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 21.48 | 276 | 281616 | 49.402 | ng | | 99 |

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

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