Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081115\
Data File : BF080964.D
Acq On : 11 Aug 2015 16:28
Operator : UM/IZ
Sample : PB84907BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB84907BSD

**Manual Integrations APPROVED**
apatel
8/12/2015 8:33:55 AM

Quant Time: Aug 12 15:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 12 14:59:04 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 61189 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.08 | 136 | 242429 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 107536 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 199078 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.93 | 240 | 180927 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.32 | 264 | 169465 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 431359 | 115.18 | ng | | 0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 666241 | 129.82 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 435659 | 85.00 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 131972 | 111.71 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 620501 | 81.23 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.89 | 244 | 657913 | 75.11 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.44 | 88 | 56854 | 32.01 | ng | | 99 |
| 3) Pyridine | 3.13 | 79 | 181012 | 35.93 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.08 | 42 | 95513 | 37.14 | ng | | 99 |
| 6) Aniline | 6.45 | 93 | 205607 | 27.27 | ng | | 93 |
| 8) 2-Chlorophenol | 6.57 | 128 | 155449 | 35.87 | ng | # | 81 |
| 9) Benzaldehyde | 6.33 | 77 | 125766 | 36.36 | ng | | 97 |
| 10) Phenol | 6.44 | 94 | 249878 | 41.04 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 162359 | 35.71 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 172832 | 37.58 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 171639 | 35.92 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 158907 | 36.78 | ng | | 99 |
| 15) Benzyl Alcohol | 6.93 | 79 | 158057 | 37.63 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 326779 | 35.73 | ng | | 98 |
| 17) 2-Methylphenol | 7.05 | 107 | 141044 | 38.13 | ng | # | 92 |
| 18) Hexachloroethane | 7.30 | 117 | 65669 | 35.87 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 129244 | 34.46 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 181998 | 39.17 | ng | # | 79 |
| 22) Acetophenone | 7.20 | 105 | 232765 | 39.18 | ng | # | 95 |
| 24) Nitrobenzene | 7.37 | 77 | 175325 | 33.22 | ng | | 97 |
| 25) Isophorone | 7.61 | 82 | 354149 | 35.93 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.69 | 139 | 84982 | 38.27 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 169015 | 40.66 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 200778 | 33.93 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 128747 | 37.69 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 138304 | 37.04 | ng | | 98 |
| 31) Naphthalene | 8.09 | 128 | 470853 | 35.24 | ng | | 99 |
| 32) Benzoic acid | 7.86 | 122 | 100213 | 40.27 | ng | | 93 |
| 33) 4-Chloroaniline | 8.14 | 127 | 120739 | 22.23 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.21 | 225 | 80583 | 36.27 | ng | | 97 |
| 35) Caprolactam | 8.52 | 113 | 51417m | 41.84 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 164285 | 39.41 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 320017 | 37.62 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 124224 | 37.47 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.94 | 237 | 169199 | 93.53 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 88741 | 36.52 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 103103 | 42.11 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 391981 | 42.47 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.28 | 162 | 281592 | 39.13 | ng | | 99 |
| 47) 2-Nitroaniline | 9.37 | 65 | 111130 | 38.52 | ng | | 97 |
| 48) Acenaphthylene | 9.69 | 152 | 480695 | 38.43 | ng | | 100 |
| 49) Dimethylphthalate | 9.56 | 163 | 329272 | 36.86 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.62 | 165 | 71906 | 38.96 | ng | # | 46 |
| 51) Acenaphthene | 9.86 | 154 | 326773 | 42.65 | ng | | 99 |
| 52) 3-Nitroaniline | 9.78 | 138 | 55271 | 24.29 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.88 | 184 | 78565 | 70.84 | ng | # | 70 |
| 54) Dibenzofuran | 10.03 | 168 | 404098 | 39.01 | ng | | 99 |
| 55) 4-Nitrophenol | 9.95 | 139 | 139160 | 81.71 | ng | # | 73 |
| 56) 2,4-Dinitrotoluene | 10.02 | 165 | 107628 | 43.59 | ng | # | 72 |
| 57) Fluorene | 10.37 | 166 | 325330 | 40.60 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 71412m | 36.85 | ng | | |
| 59) Diethylphthalate | 10.26 | 149 | 349786 | 37.62 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 127838 | 32.74 | ng | | 96 |
| 61) 4-Nitroaniline | 10.40 | 138 | 80481 | 34.38 | ng | | 96 |
| 62) Azobenzene | 10.52 | 77 | 364879 | 35.09 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198 | 47909 | 38.83 | ng | # | 70 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 281761 | 40.74 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 91164 | 43.24 | ng | | 97 |
| 67) Hexachlorobenzene | 10.91 | 284 | 95542 | 40.76 | ng | # | 56 |
| 68) Atrazine | 11.01 | 200 | 83011 | 40.94 | ng | | 98 |
| 69) Pentachlorophenol | 11.10 | 266 | 106053 | 77.80 | ng | | 99 |
| 70) Phenanthrene | 11.32 | 178 | 405291 | 35.95 | ng | | 99 |
| 71) Anthracene | 11.38 | 178 | 452264 | 40.52 | ng | | 99 |
| 72) Carbazole | 11.53 | 167 | 412233 | 37.94 | ng | # | 97 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 569725 | 41.93 | ng | | 99 |
| 74) Fluoranthene | 12.51 | 202 | 496464 | 40.74 | ng | | 96 |
| 76) Benzidine | 12.64 | 184 | 371074 | 52.04 | ng | | 97 |
| 77) Pyrene | 12.74 | 202 | 519382 | 38.86 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 212695 | 33.01 | ng | # | 67 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 436639 | 38.21 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.88 | 252 | 79092 | 19.03 | ng | # | 98 |
| 82) Chrysene | 13.95 | 228 | 376942 | 34.45 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 303872 | 33.89 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 521627 | 34.32 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.67 | 276 | 388141 | 37.27 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.93 | 252 | 443002m | 37.59 | ng | | |
| 88) Benzo(k)fluoranthene | 14.96 | 252 | 322354m | 31.27 | ng | | |
| 89) Benzo(a)pyrene | 15.27 | 252 | 402603 | 39.75 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.68 | 278 | 327428 | 36.55 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.07 | 276 | 290456 | 33.34 | ng | | 96 |

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

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