Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062615\
Data File : BF080194.D
Acq On : 26 Jun 2015 17:31
Operator : TP/IZ
Sample : PB84223BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB84223BSD

**Manual Integrations APPROVED**
apatel
6/29/2015 11:38:22 AM

Quant Time: Jun 27 00:04:45 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 26 23:02:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.29 | 152 | 28852 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.58 | 136 | 112075 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.36 | 164 | 58690 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.86 | 188 | 117285 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.85 | 240 | 122410 | 20.00 | ng | | -0.18 |
| 86) Perylene-d12 | 16.73 | 264 | 116945 | 20.00 | ng | | -0.29 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.90 | 112 | 205713 | 126.21 | ng | | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 268204 | 123.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.85 | 82 | 170337 | 88.48 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.16 | 330 | 69145 | 120.48 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.66 | 172 | 320835 | 77.96 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.57 | 244 | 400243 | 76.36 | ng | | -0.09 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 24040 | 31.03 | ng | | 88 |
| 3) Pyridine | 3.98 | 79 | 72038 | 34.96 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 35978 | 36.74 | ng | | 95 |
| 6) Aniline | 6.95 | 93 | 84008 | 28.15 | ng | | 97 |
| 8) 2-Chlorophenol | 7.08 | 128 | 78842 | 41.85 | ng | | 90 |
| 9) Benzaldehyde | 6.84 | 77 | 33038 | 26.39 | ng | # | 69 |
| 10) Phenol | 6.92 | 94 | 90169 | 38.10 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 7.01 | 93 | 68679 | 36.57 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.24 | 146 | 86172 | 38.08 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.32 | 146 | 87788 | 40.79 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.46 | 146 | 79143m | 37.79 | ng | | |
| 15) Benzyl Alcohol | 7.42 | 79 | 68230 | 38.47 | ng | # | 76 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.56 | 45 | 116452 | 41.78 | ng | | 89 |
| 17) 2-Methylphenol | 7.52 | 107 | 58237 | 36.19 | ng | # | 83 |
| 18) Hexachloroethane | 7.82 | 117 | 29445 | 41.09 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70 | 51623 | 34.28 | ng | # | 79 |
| 20) 3+4-Methylphenols | 7.68 | 107 | 81599 | 39.29 | ng | | 92 |
| 22) Acetophenone | 7.69 | 105 | 111268 | 42.60 | ng | # | 84 |
| 24) Nitrobenzene | 7.88 | 77 | 75885 | 38.19 | ng | # | 81 |
| 25) Isophorone | 8.10 | 82 | 146807 | 37.89 | ng | # | 83 |
| 26) 2-Nitrophenol | 8.20 | 139 | 36958 | 44.44 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 8.22 | 122 | 70357 | 40.57 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 8.31 | 93 | 93657 | 41.14 | ng | # | 91 |
| 29) 2,4-Dichlorophenol | 8.44 | 162 | 65061 | 43.81 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.53 | 180 | 72994 | 43.28 | ng | | 99 |
| 31) Naphthalene | 8.61 | 128 | 226761m | 38.70 | ng | | |
| 32) Benzoic acid | 8.28 | 122 | 15525 | 14.81 | ng | # | 59 |
| 33) 4-Chloroaniline | 8.64 | 127 | 57951m | 23.11 | ng | | |
| 34) Hexachlorobutadiene | 8.73 | 225 | 39173 | 37.72 | ng | | 99 |
| 35) Caprolactam | 8.98 | 113 | 19329 | 40.10 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 9.11 | 107 | 61903 | 36.95 | ng | # | 73 |
| 37) 2-Methylnaphthalene | 9.30 | 142 | 164009 | 43.27 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.48 | 216 | 71002 | 41.57 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.46 | 237 | 61200 | 70.45 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.58 | 196 | 47500 | 40.88 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.61 | 196 | 50030 | 37.37 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.76 | 154 | 175865 | 36.83 | ng | | 92 |
| 46) 2-Chloronaphthalene | 9.80 | 162 | 149623 | 38.62 | ng | | 95 |
| 47) 2-Nitroaniline | 9.88 | 65 | 41570 | 39.09 | ng | # | 61 |
| 48) Acenaphthylene | 10.22 | 152 | 255307 | 39.48 | ng | | 97 |
| 49) Dimethylphthalate | 10.05 | 163 | 158836 | 36.00 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.12 | 165 | 35607 | 40.25 | ng | # | 60 |
| 51) Acenaphthene | 10.39 | 154 | 160760 | 40.64 | ng | | 91 |
| 52) 3-Nitroaniline | 10.29 | 138 | 32503 | 31.85 | ng | # | 56 |
| 53) 2,4-Dinitrophenol | 10.40 | 184 | 29867 | 82.74 | ng | # | 45 |
| 54) Dibenzofuran | 10.56 | 168 | 220100 | 39.21 | ng | # | 90 |
| 55) 4-Nitrophenol | 10.44 | 139 | 66096 | 81.02 | ng | # | 56 |
| 56) 2,4-Dinitrotoluene | 10.53 | 165 | 53360 | 47.54 | ng | # | 92 |
| 57) Fluorene | 10.92 | 166 | 170704 | 38.32 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.68 | 232 | 43433 | 38.43 | ng | | 97 |
| 59) Diethylphthalate | 10.76 | 149 | 165713 | 37.30 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.89 | 204 | 81909 | 38.27 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.90 | 138 | 42356 | 40.18 | ng | # | 57 |
| 62) Azobenzene | 11.05 | 77 | 172592 | 38.16 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 10.94 | 198 | 22387 | 40.39 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 11.01 | 169 | 155273 | 40.66 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 11.40 | 248 | 47679 | 38.23 | ng | # | 82 |
| 67) Hexachlorobenzene | 11.48 | 284 | 52049 | 37.55 | ng | # | 77 |
| 68) Atrazine | 11.53 | 200 | 44659 | 37.01 | ng | | 84 |
| 69) Pentachlorophenol | 11.66 | 266 | 53831 | 68.54 | ng | | 100 |
| 70) Phenanthrene | 11.89 | 178 | 262499 | 36.97 | ng | | 98 |
| 71) Anthracene | 11.94 | 178 | 275867 | 40.35 | ng | | 99 |
| 72) Carbazole | 12.09 | 167 | 252660 | 38.71 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.42 | 149 | 272865 | 36.18 | ng | # | 99 |
| 74) Fluoranthene | 13.16 | 202 | 284656 | 37.64 | ng | | 90 |
| 76) Benzidine | 13.27 | 184 | 137012 | 40.04 | ng | | 98 |
| 77) Pyrene | 13.41 | 202 | 293520 | 38.95 | ng | | 97 |
| 79) Butylbenzylphthalate | 14.12 | 149 | 114337 | 37.78 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.84 | 228 | 286405 | 38.41 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.78 | 252 | 59753 | 23.23 | ng | # | 93 |
| 82) Chrysene | 14.88 | 228 | 262305 | 38.14 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 14.81 | 149 | 164010 | 34.29 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 15.64 | 149 | 270299 | 32.98 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 18.56 | 276 | 315850 | 36.42 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 16.20 | 252 | 268277 | 37.89 | ng | # | 86 |
| 88) Benzo(k)fluoranthene | 16.23 | 252 | 285442 | 39.59 | ng | # | 88 |
| 89) Benzo(a)pyrene | 16.65 | 252 | 271940 | 40.44 | ng | # | 86 |
| 90) Dibenzo(a,h)anthracene | 18.59 | 278 | 263815 | 38.33 | ng | # | 83 |
| 91) Benzo(g,h,i)perylene | 19.11 | 276 | 270205 | 38.88 | ng | # | 78 |

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

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