Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078650.D
Acq On : 20 Apr 2015 18:09
Operator : TP/IZ
Sample : PB82843BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB82843BS

**Manual Integrations APPROVED**
apatel
4/21/2015 5:03:33 PM

Quant Time: Apr 21 01:19:17 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 00:52:21 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.86 | 152 | 34816 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 145055 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.21 | 164 | 73132 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 13.94 | 188 | 141188 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 17.81 | 240 | 145837 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 19.53 | 264 | 137628 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 3.87 | 112 | 253545 | 120.07 | ng | | 0.00 |
| 7) Phenol-d6 | 5.36 | 99 | 323667 | 122.31 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.80 | 82 | 189785 | 79.30 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.69 | 330 | 82147 | 135.44 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.03 | 172 | 414037 | 80.93 | ng | | 0.00 |
| 78) Terphenyl-d14 | 16.47 | 244 | 487453 | 75.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.45 | 88 | 29228m | 30.61 | ng | | |
| 3) Pyridine | 1.94 | 79 | 72950 | 29.17 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 1.90 | 42 | 37811 | 39.27 | ng | | 93 |
| 6) Aniline | 5.35 | 93 | 87142 | 23.22 | ng | | 91 |
| 8) 2-Chlorophenol | 5.52 | 128 | 97020 | 38.86 | ng | | 100 |
| 9) Benzaldehyde | 5.16 | 77 | 14216 | 8.11 | ng | | 95 |
| 10) Phenol | 5.38 | 94 | 123453 | 38.93 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 5.48 | 93 | 85553 | 37.52 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 5.76 | 146 | 100956 | 36.81 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 5.88 | 146 | 101617 | 36.81 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.12 | 146 | 97146 | 37.53 | ng | | 94 |
| 15) Benzyl Alcohol | 6.14 | 79 | 76806 | 41.30 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.38 | 45 | 116251 | 38.22 | ng | | 89 |
| 17) 2-Methylphenol | 6.36 | 107 | 76738 | 39.58 | ng | | 97 |
| 18) Hexachloroethane | 6.67 | 117 | 35656 | 38.30 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 6.59 | 70 | 67756 | 38.81 | ng | | 95 |
| 20) 3+4-Methylphenols | 6.64 | 107 | 102716 | 39.72 | ng | | 91 |
| 22) Acetophenone | 6.56 | 105 | 135759 | 40.17 | ng | # | 93 |
| 24) Nitrobenzene | 6.83 | 77 | 96429 | 38.54 | ng | | 89 |
| 25) Isophorone | 7.26 | 82 | 177325 | 39.04 | ng | | 94 |
| 26) 2-Nitrophenol | 7.38 | 139 | 48752 | 40.89 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.54 | 122 | 86007 | 38.80 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 111086 | 38.14 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.83 | 162 | 83469 | 41.39 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 84265 | 36.44 | ng | | 97 |
| 31) Naphthalene | 8.06 | 128 | 281047 | 37.23 | ng | | 99 |
| 32) Benzoic acid | 7.78 | 122 | 49706m | 47.72 | ng | | |
| 33) 4-Chloroaniline | 8.22 | 127 | 63853 | 20.38 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.31 | 225 | 47618 | 37.50 | ng | | 98 |
| 35) Caprolactam | 8.84 | 113 | 24739 | 41.09 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 9.18 | 107 | 85506 | 42.02 | ng | | 89 |
| 37) 2-Methylnaphthalene | 9.32 | 142 | 194838 | 38.01 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.63 | 216 | 84323 | 37.21 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.61 | 237 | 68911 | 71.44 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.88 | 196 | 57593 | 40.30 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.95 | 196 | 58883 | 39.44 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 10.19 | 154 | 226499 | 37.86 | ng | | 96 |
| 46) 2-Chloronaphthalene | 10.19 | 162 | 176545 | 37.51 | ng | | 96 |
| 47) 2-Nitroaniline | 10.44 | 65 | 51020 | 43.81 | ng | # | 67 |
| 48) Acenaphthylene | 10.95 | 152 | 294569 | 38.76 | ng | | 99 |
| 49) Dimethylphthalate | 10.84 | 163 | 217855 | 39.65 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 10.94 | 165 | 46344 | 41.00 | ng | # | 56 |
| 51) Acenaphthene | 11.27 | 154 | 168285 | 39.33 | ng | | 100 |
| 52) 3-Nitroaniline | 11.21 | 138 | 33273 | 25.89 | ng | # | 97 |
| 53) 2,4-Dinitrophenol | 11.44 | 184 | 35143 | 79.96 | ng | | 92 |
| 54) Dibenzofuran | 11.60 | 168 | 267346 | 40.91 | ng | | 95 |
| 55) 4-Nitrophenol | 11.65 | 139 | 57807 | 61.73 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 11.67 | 165 | 64307 | 43.92 | ng | # | 81 |
| 57) Fluorene | 12.23 | 166 | 217508 | 41.06 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.86 | 232 | 41847 | 37.81 | ng | | 98 |
| 59) Diethylphthalate | 12.17 | 149 | 217300 | 41.02 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 12.29 | 204 | 99732 | 40.92 | ng | # | 83 |
| 61) 4-Nitroaniline | 12.34 | 138 | 47123 | 36.27 | ng | | 99 |
| 62) Azobenzene | 12.57 | 77 | 206228 | 42.65 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 12.41 | 198 | 28041 | 41.43 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 12.53 | 169 | 186571 | 38.20 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 13.18 | 248 | 61240 | 40.96 | ng | | 99 |
| 67) Hexachlorobenzene | 13.22 | 284 | 63118 | 38.52 | ng | # | 88 |
| 68) Atrazine | 13.60 | 200 | 70287 | 49.69 | ng | | 98 |
| 69) Pentachlorophenol | 13.63 | 266 | 46301 | 65.30 | ng | | 99 |
| 70) Phenanthrene | 13.99 | 178 | 319329 | 39.10 | ng | | 99 |
| 71) Anthracene | 14.08 | 178 | 320797 | 39.86 | ng | | 99 |
| 72) Carbazole | 14.41 | 167 | 310379 | 41.15 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.09 | 149 | 364614 | 42.68 | ng | | 100 |
| 74) Fluoranthene | 15.86 | 202 | 347925 | 40.40 | ng | | 97 |
| 76) Benzidine | 16.13 | 184 | 110246 | 19.63 | ng | | 97 |
| 77) Pyrene | 16.17 | 202 | 355639 | 38.85 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.17 | 149 | 164446 | 47.13 | ng | # | 82 |
| 80) Benzo(a)anthracene | 17.79 | 228 | 338731 | 39.04 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 17.79 | 252 | 75629 | 26.02 | ng | # | 97 |
| 82) Chrysene | 17.84 | 228 | 309233 | 37.93 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 17.93 | 149 | 234301 | 42.81 | ng | | 99 |
| 84) Di-n-octyl phthalate | 18.72 | 149 | 405180 | 45.09 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 20.73 | 276 | 350209 | 37.86 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 19.10 | 252 | 369163 | 43.40 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 19.13 | 252 | 259033m | 34.27 | ng | | |
| 89) Benzo(a)pyrene | 19.47 | 252 | 310057 | 41.77 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 20.75 | 278 | 286772 | 38.59 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 21.05 | 276 | 285190 | 38.27 | ng | | 99 |

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

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