Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083605.D
Acq On : 8 Dec 2015 20:21
Operator : UM/IZ
Sample : PB87006BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB87006BS

**Manual Integrations APPROVED**
Mmdadoda
12/9/2015 6:13:23 PM

Quant Time: Dec 17 10:17:57 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 09:56:43 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.70 | 152 | 134070 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.60 | 136 | 537524 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.38 | 164 | 266682 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.79 | 188 | 509454 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.99 | 240 | 423257 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 18.64 | 264 | 324311 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 3.98 | 112 | 802016 | 90.73 | ng | | 0.01 |
| 7) Phenol-d6 | 5.28 | 99 | 1034336 | 87.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.53 | 82 | 964215 | 83.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.68 | 330 | 212704 | 89.53 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1568131 | 82.76 | ng | | 0.00 |
| 78) Terphenyl-d14 | 15.41 | 244 | 1563621 | 86.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.86 | 88 | 141694 | 32.45 | ng | # | 90 |
| 3) Pyridine | 2.30 | 79 | 355476 | 33.50 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.26 | 42 | 230575 | 41.28 | ng | | 83 |
| 6) Aniline | 5.26 | 93 | 411410 | 28.27 | ng | | 95 |
| 8) 2-Chlorophenol | 5.42 | 128 | 407515 | 42.15 | ng | | 95 |
| 9) Benzaldehyde | 5.13 | 77 | 85437 | 11.31 | ng | | 97 |
| 10) Phenol | 5.29 | 94 | 611469 | 42.74 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 5.36 | 93 | 405520 | 38.53 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 5.61 | 146 | 432927m | 40.18 | ng | | |
| 13) 1,4-Dichlorobenzene | 5.72 | 146 | 445182 | 40.27 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 5.94 | 146 | 430986 | 42.01 | ng | | 98 |
| 15) Benzyl Alcohol | 5.95 | 79 | 406713 | 48.40 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.13 | 45 | 787076 | 40.44 | ng | | 78 |
| 17) 2-Methylphenol | 6.14 | 107 | 342001 | 43.48 | ng | | 93 |
| 18) Hexachloroethane | 6.41 | 117 | 159011 | 40.74 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 6.34 | 70 | 353010 | 42.82 | ng | | 98 |
| 20) 3+4-Methylphenols | 6.38 | 107 | 444506 | 42.92 | ng | | 100 |
| 22) Acetophenone | 6.32 | 105 | 583248 | 38.68 | ng | # | 98 |
| 24) Nitrobenzene | 6.56 | 77 | 484794 | 38.08 | ng | | 98 |
| 25) Isophorone | 6.93 | 82 | 895269 | 40.05 | ng | | 99 |
| 26) 2-Nitrophenol | 7.04 | 139 | 209827 | 41.50 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.16 | 122 | 381434 | 43.13 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.29 | 93 | 536014 | 43.18 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.45 | 162 | 343009 | 42.65 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.53 | 180 | 353878 | 39.83 | ng | | 97 |
| 31) Naphthalene | 7.63 | 128 | 1164595 | 40.91 | ng | | 99 |
| 32) Benzoic acid | 7.48 | 122 | 205623 | 37.02 | ng | | 96 |
| 33) 4-Chloroaniline | 7.78 | 127 | 201476 | 19.41 | ng | | 93 |
| 34) Hexachlorobutadiene | 7.84 | 225 | 208030 | 40.08 | ng | | 98 |
| 35) Caprolactam | 8.37 | 113 | 111925m | 46.37 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 392941 | 43.49 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 777296 | 43.47 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 345931 | 39.51 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 141093 | 72.13 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 212071 | 40.71 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 222814 | 43.20 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.49 | 154 | 916971 | 39.56 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 719324 | 41.10 | ng | | 96 |
| 47) 2-Nitroaniline | 9.72 | 65 | 276001 | 43.73 | ng | | 97 |
| 48) Acenaphthylene | 10.16 | 152 | 1172841 | 40.64 | ng | | 100 |
| 49) Dimethylphthalate | 10.04 | 163 | 896347 | 42.22 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.13 | 165 | 191502 | 43.69 | ng | | 87 |
| 51) Acenaphthene | 10.44 | 154 | 680190 | 41.17 | ng | | 99 |
| 52) 3-Nitroaniline | 10.41 | 138 | 109433 | 23.49 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 10.60 | 184 | 168637 | 77.90 | ng | | 100 |
| 54) Dibenzofuran | 10.73 | 168 | 1042557 | 45.51 | ng | | 97 |
| 55) 4-Nitrophenol | 10.81 | 139 | 190828 | 93.05 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.80 | 165 | 262303 | 45.12 | ng | # | 82 |
| 57) Fluorene | 11.28 | 166 | 842763 | 42.15 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.97 | 232 | 201405 | 48.46 | ng | # | 100 |
| 59) Diethylphthalate | 11.18 | 149 | 858189 | 41.58 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.30 | 204 | 404356 | 42.48 | ng | | 99 |
| 61) 4-Nitroaniline | 11.40 | 138 | 178527 | 42.19 | ng | | 87 |
| 62) Azobenzene | 11.56 | 77 | 1084076 | 47.72 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 11.46 | 198 | 135057 | 39.28 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 11.52 | 169 | 716065 | 42.59 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.09 | 248 | 227336 | 40.01 | ng | | 97 |
| 67) Hexachlorobenzene | 12.17 | 284 | 256031 | 42.47 | ng | # | 91 |
| 68) Atrazine | 12.43 | 200 | 212177 | 42.41 | ng | | 100 |
| 69) Pentachlorophenol | 12.53 | 266 | 152369 | 91.34 | ng | | 98 |
| 70) Phenanthrene | 12.82 | 178 | 1241567 | 42.42 | ng | | 99 |
| 71) Anthracene | 12.91 | 178 | 1292461 | 42.62 | ng | | 100 |
| 72) Carbazole | 13.21 | 167 | 1136043 | 43.69 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.84 | 149 | 1425578 | 43.59 | ng | | 99 |
| 74) Fluoranthene | 14.75 | 202 | 1278439 | 42.69 | ng | | 99 |
| 76) Benzidine | 15.04 | 184 | 208182 | 15.81 | ng | | 98 |
| 77) Pyrene | 15.11 | 202 | 1320721 | 43.34 | ng | | 99 |
| 79) Butylbenzylphthalate | 16.24 | 149 | 576440 | 42.62 | ng | | 91 |
| 80) Benzo(a)anthracene | 16.98 | 228 | 1060785 | 42.82 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.97 | 252 | 277991 | 33.22 | ng | | 97 |
| 82) Chrysene | 17.03 | 228 | 1038543 | 41.82 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 17.09 | 149 | 818374 | 43.59 | ng | | 99 |
| 84) Di-n-octyl phthalate | 17.86 | 149 | 1283321 | 44.74 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.86 | 276 | 684574 | 40.84 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 18.25 | 252 | 804068m | 43.54 | ng | | |
| 88) Benzo(k)fluoranthene | 18.28 | 252 | 908351m | 44.64 | ng | | |
| 89) Benzo(a)pyrene | 18.58 | 252 | 787666 | 43.71 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 19.86 | 278 | 585245 | 42.48 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 20.23 | 276 | 543724 | 40.47 | ng | | 96 |

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

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