Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078359.D
Acq On : 9 Apr 2015 14:02
Operator : TP/IZ
Sample : PB82625BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB82625BS

**Manual Integrations APPROVED**
apatel
4/10/2015 5:12:51 PM

Quant Time: Apr 10 10:58:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 10 00:58:40 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 27783 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.46 | 136 | 116709 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.62 | 164 | 60282 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.45 | 188 | 110663 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 15.77 | 240 | 110406m | 20.00 | ng | | 0.05 |
| 86) Perylene-d12 | 17.63 | 264 | 102013 | 20.00 | ng | | 0.15 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 158558 | 94.10 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 210176 | 99.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.58 | 82 | 152359 | 79.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.61 | 330 | 51260 | 102.53 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.81 | 172 | 335142 | 79.47 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.44 | 244 | 372936 | 76.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.72 | 88 | 25336 | 33.25 | ng | | 92 |
| 3) Pyridine | 2.32 | 79 | 91255 | 45.72 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.26 | 42 | 34945m | 45.48 | ng | | |
| 6) Aniline | 6.48 | 93 | 71864 | 24.00 | ng | | 93 |
| 8) 2-Chlorophenol | 6.62 | 128 | 94287 | 47.32 | ng | | 91 |
| 9) Benzaldehyde | 6.33 | 77 | 30890 | 22.07 | ng | | 98 |
| 10) Phenol | 6.50 | 94 | 119956 | 47.41 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 85384 | 46.92 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 97795 | 44.68 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 98285 | 44.61 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.09 | 146 | 90934 | 44.02 | ng | | 92 |
| 15) Benzyl Alcohol | 7.08 | 79 | 75941 | 51.17 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.26 | 45 | 114580 | 47.21 | ng | | 97 |
| 17) 2-Methylphenol | 7.25 | 107 | 74931 | 48.44 | ng | | 97 |
| 18) Hexachloroethane | 7.50 | 117 | 35272 | 47.48 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 66323 | 47.60 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.45 | 107 | 100624 | 48.76 | ng | | 92 |
| 22) Acetophenone | 7.40 | 105 | 131804 | 48.47 | ng | # | 90 |
| 24) Nitrobenzene | 7.61 | 77 | 94186 | 46.79 | ng | # | 83 |
| 25) Isophorone | 7.92 | 82 | 170984 | 46.79 | ng | | 99 |
| 26) 2-Nitrophenol | 8.01 | 139 | 46941 | 48.94 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 8.09 | 122 | 84056 | 47.13 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.20 | 93 | 106237 | 45.34 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.32 | 162 | 81163 | 50.02 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.40 | 180 | 80181 | 43.10 | ng | # | 95 |
| 31) Naphthalene | 8.49 | 128 | 267834 | 44.09 | ng | | 99 |
| 32) Benzoic acid | 8.22 | 122 | 49174 | 57.34 | ng | | 92 |
| 33) 4-Chloroaniline | 8.58 | 127 | 70247 | 27.87 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.65 | 225 | 46485 | 45.50 | ng | | 98 |
| 35) Caprolactam | 9.01 | 113 | 25785 | 53.23 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 9.21 | 107 | 85807 | 52.41 | ng | # | 87 |
| 37) 2-Methylnaphthalene | 9.34 | 142 | 184315 | 44.69 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.55 | 216 | 78016 | 41.77 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 9.54 | 237 | 76165 | 93.47 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.71 | 196 | 58471 | 49.64 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.76 | 196 | 59775 | 48.57 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.93 | 154 | 220948 | 44.81 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.95 | 162 | 171763 | 44.27 | ng | | 94 |
| 47) 2-Nitroaniline | 10.09 | 65 | 49066 | 51.12 | ng | # | 82 |
| 48) Acenaphthylene | 10.45 | 152 | 283575 | 45.26 | ng | | 99 |
| 49) Dimethylphthalate | 10.33 | 163 | 206532 | 45.60 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 10.40 | 165 | 43050 | 46.20 | ng | # | 46 |
| 51) Acenaphthene | 10.66 | 154 | 161813 | 45.88 | ng | | 98 |
| 52) 3-Nitroaniline | 10.60 | 138 | 35249 | 33.27 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 10.74 | 184 | 34135 | 89.17 | ng | # | 88 |
| 54) Dibenzofuran | 10.88 | 168 | 254156 | 47.18 | ng | | 97 |
| 55) 4-Nitrophenol | 10.84 | 139 | 72274 | 92.21 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 10.89 | 165 | 57602 | 47.73 | ng | # | 55 |
| 57) Fluorene | 11.30 | 166 | 206891 | 47.38 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.05 | 232 | 45054 | 49.38 | ng | | 98 |
| 59) Diethylphthalate | 11.21 | 149 | 199213 | 45.62 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.32 | 204 | 95521 | 47.55 | ng | | 92 |
| 61) 4-Nitroaniline | 11.34 | 138 | 42892 | 40.05 | ng | | 92 |
| 62) Azobenzene | 11.52 | 77 | 212113 | 53.22 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 11.39 | 198 | 23968 | 44.41 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 11.47 | 169 | 177762 | 46.44 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.92 | 248 | 54459 | 46.47 | ng | | 97 |
| 67) Hexachlorobenzene | 11.97 | 284 | 61196 | 47.65 | ng | # | 92 |
| 68) Atrazine | 12.15 | 200 | 54607 | 49.25 | ng | | 97 |
| 69) Pentachlorophenol | 12.23 | 266 | 55513 | 95.78 | ng | | 100 |
| 70) Phenanthrene | 12.48 | 178 | 295669 | 46.19 | ng | | 99 |
| 71) Anthracene | 12.55 | 178 | 307748 | 48.79 | ng | | 100 |
| 72) Carbazole | 12.76 | 167 | 288269 | 48.76 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.22 | 149 | 326174 | 48.71 | ng | | 99 |
| 74) Fluoranthene | 13.95 | 202 | 317837 | 47.08 | ng | | 90 |
| 76) Benzidine | 14.13 | 184 | 141184 | 33.21 | ng | | 98 |
| 77) Pyrene | 14.23 | 202 | 341458 | 49.27 | ng | | 100 |
| 79) Butylbenzylphthalate | 15.09 | 149 | 138669 | 52.49 | ng | # | 77 |
| 80) Benzo(a)anthracene | 15.76 | 228 | 303660 | 46.23 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 15.75 | 252 | 66935 | 30.42 | ng | # | 97 |
| 82) Chrysene | 15.80 | 228 | 289684 | 46.94 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.86 | 149 | 201177 | 48.56 | ng | | 98 |
| 84) Di-n-octyl phthalate | 16.72 | 149 | 336914m | 49.53 | ng | | |
| 85) Indeno(1,2,3-cd)pyrene | 18.99 | 276 | 313074 | 44.70 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 17.15 | 252 | 286508m | 45.44 | ng | | |
| 88) Benzo(k)fluoranthene | 17.19 | 252 | 287345m | 51.29 | ng | | |
| 89) Benzo(a)pyrene | 17.56 | 252 | 279956 | 50.88 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 19.01 | 278 | 268504m | 48.74 | ng | | |
| 91) Benzo(g,h,i)perylene | 19.36 | 276 | 267882m | 48.50 | ng | | |

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

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