Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
Data File : BF082175.D
Acq On : 10 Oct 2015 14:34
Operator : UM/IZ
Sample : PB86035BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB86035BS

**Manual Integrations APPROVED**
MMDadoda
10/12/2015 2:31:43 PM

Quant Time: Oct 12 02:21:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 87174 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 350375 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 181011 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 342151 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.01 | 240 | 322863 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 260217 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 529503 | 122.59 | ng | | 0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 700029 | 124.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 450570 | 86.36 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 199968 | 117.80 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 939647 | 86.09 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 1030340 | 84.57 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 66600 | 30.69 | ng | | 93 |
| 3) Pyridine | 3.21 | 79 | 173028 | 34.28 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.18 | 42 | 80331 | 37.53 | ng | | 96 |
| 6) Aniline | 6.50 | 93 | 244796 | 33.78 | ng | | 98 |
| 8) 2-Chlorophenol | 6.63 | 128 | 213385 | 40.47 | ng | | 99 |
| 9) Benzaldehyde | 6.39 | 77 | 105923 | 36.90 | ng | | 95 |
| 10) Phenol | 6.49 | 94 | 281359 | 43.42 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 228549 | 41.70 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 243313 | 39.62 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 255070 | 39.77 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 229582 | 37.70 | ng | | 98 |
| 15) Benzyl Alcohol | 6.98 | 79 | 164183 | 42.31 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 300674 | 39.40 | ng | | 100 |
| 17) 2-Methylphenol | 7.10 | 107 | 165844 | 39.77 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 87917 | 40.05 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 145839 | 36.95 | ng | # | 88 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 214456 | 43.16 | ng | | 94 |
| 22) Acetophenone | 7.26 | 105 | 287804 | 41.52 | ng | # | 97 |
| 24) Nitrobenzene | 7.43 | 77 | 220943 | 39.12 | ng | | 94 |
| 25) Isophorone | 7.67 | 82 | 416224 | 39.53 | ng | | 98 |
| 26) 2-Nitrophenol | 7.75 | 139 | 122170 | 43.32 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 192048 | 42.27 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 250343 | 40.86 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 207843 | 45.76 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 211094 | 40.33 | ng | | 98 |
| 31) Naphthalene | 8.15 | 128 | 627656 | 41.33 | ng | | 100 |
| 32) Benzoic acid | 7.92 | 122 | 128409 | 42.11 | ng | | 98 |
| 33) 4-Chloroaniline | 8.21 | 127 | 172145 | 27.29 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 132785 | 40.71 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 58728m | 44.56 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 190213 | 42.83 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 437976 | 41.60 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 214982 | 39.93 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.99 | 237 | 233883 | 85.24 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 139068 | 38.89 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 155001 | 40.01 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 513407 | 37.20 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 421293 | 38.77 | ng | | 97 |
| 47) 2-Nitroaniline | 9.43 | 65 | 119064 | 39.91 | ng | | 97 |
| 48) Acenaphthylene | 9.75 | 152 | 687347 | 40.61 | ng | | 99 |
| 49) Dimethylphthalate | 9.61 | 163 | 498948 | 39.14 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 112589 | 41.86 | ng | # | 86 |
| 51) Acenaphthene | 9.92 | 154 | 408067 | 40.16 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 76834 | 25.29 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 9.95 | 184 | 126444 | 83.80 | ng | | 95 |
| 54) Dibenzofuran | 10.09 | 168 | 602632 | 43.20 | ng | | 99 |
| 55) 4-Nitrophenol | 10.01 | 139 | 147806 | 72.98 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 147703 | 43.94 | ng | | 98 |
| 57) Fluorene | 10.43 | 166 | 485502 | 42.37 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 133601 | 42.21 | ng | | 97 |
| 59) Diethylphthalate | 10.31 | 149 | 473881 | 39.88 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 207018 | 39.44 | ng | | 99 |
| 61) 4-Nitroaniline | 10.47 | 138 | 118694 | 40.28 | ng | | 95 |
| 62) Azobenzene | 10.58 | 77 | 466932 | 40.15 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 84605 | 44.06 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.55 | 169 | 422344 | 41.23 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 140118 | 40.92 | ng | | 99 |
| 67) Hexachlorobenzene | 10.98 | 284 | 152907 | 41.29 | ng | | 98 |
| 68) Atrazine | 11.07 | 200 | 122448 | 37.73 | ng | | 98 |
| 69) Pentachlorophenol | 11.18 | 266 | 178162 | 93.49 | ng | | 98 |
| 70) Phenanthrene | 11.39 | 178 | 690315 | 41.16 | ng | | 100 |
| 71) Anthracene | 11.45 | 178 | 760080 | 43.98 | ng | | 99 |
| 72) Carbazole | 11.60 | 167 | 626551 | 39.74 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 804160 | 41.35 | ng | | 99 |
| 74) Fluoranthene | 12.58 | 202 | 773631 | 42.95 | ng | | 99 |
| 76) Benzidine | 12.71 | 184 | 358320 | 38.30 | ng | | 98 |
| 77) Pyrene | 12.81 | 202 | 776168 | 40.51 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 333035 | 38.09 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 670545 | 39.92 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 187576 | 29.42 | ng | | 100 |
| 82) Chrysene | 14.04 | 228 | 609563 | 34.44 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 496262 | 39.78 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 809233 | 37.77 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.86 | 276 | 548614 | 39.00 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 717790m | 45.34 | ng | | |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 481758m | 36.20 | ng | | |
| 89) Benzo(a)pyrene | 15.38 | 252 | 565869 | 41.59 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 462686 | 41.50 | ng | | 100 |
| 91) Benzo(g,h,i)perylene | 17.28 | 276 | 446014 | 41.18 | ng | | 99 |

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

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