Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
Data File : BF080097.D
Acq On : 22 Jun 2015 16:39
Operator : TP/IZ
Sample : PB84131BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB84131BS

Quant Time: Jun 23 01:19:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.33 | 152 | 50531 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.61 | 136 | 200546 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.39 | 164 | 104842 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.89 | 188 | 219817 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.92 | 240 | 249678 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 16.83 | 264 | 237405 | 20.00 | ng | | -0.10 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.93 | 112 | 231147 | 80.97 | ng | | 0.00 |
| 7) Phenol-d6 | 6.92 | 99 | 286966 | 75.54 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.88 | 82 | 313988 | 91.15 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.18 | 330 | 82875 | 80.84 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.69 | 172 | 623205 | 84.77 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.61 | 244 | 812314 | 75.98 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.21 | 88 | 36198 | 26.68 | ng | | 86 |
| 3) Pyridine | 4.02 | 79 | 106122 | 29.41 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 46602 | 27.18 | ng | | 98 |
| 6) Aniline | 6.97 | 93 | 157486 | 30.13 | ng | | 92 |
| 8) 2-Chlorophenol | 7.10 | 128 | 108770 | 32.97 | ng | | 82 |
| 9) Benzaldehyde | 6.87 | 77 | 53983 | 24.62 | ng | # | 88 |
| 10) Phenol | 6.94 | 94 | 140973 | 34.01 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 7.04 | 93 | 103046 | 31.33 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.27 | 146 | 119013 | 30.03 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.34 | 146 | 135451m | 35.94 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.50 | 146 | 124914 | 34.06 | ng | | 97 |
| 15) Benzyl Alcohol | 7.44 | 79 | 96288 | 31.00 | ng | # | 73 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.59 | 45 | 181132 | 37.10 | ng | | 85 |
| 17) 2-Methylphenol | 7.56 | 107 | 89311 | 31.69 | ng | # | 90 |
| 18) Hexachloroethane | 7.84 | 117 | 41580 | 33.13 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.72 | 70 | 88416 | 33.53 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.70 | 107 | 124549 | 34.24 | ng | | 93 |
| 22) Acetophenone | 7.72 | 105 | 157511 | 33.70 | ng | # | 79 |
| 24) Nitrobenzene | 7.90 | 77 | 126179 | 35.49 | ng | # | 72 |
| 25) Isophorone | 8.13 | 82 | 207264 | 29.90 | ng | # | 82 |
| 26) 2-Nitrophenol | 8.22 | 139 | 58819 | 39.52 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 8.24 | 122 | 112456 | 36.24 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 8.33 | 93 | 128768 | 31.61 | ng | # | 91 |
| 29) 2,4-Dichlorophenol | 8.46 | 162 | 105088 | 39.54 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.55 | 180 | 107744 | 35.70 | ng | | 99 |
| 31) Naphthalene | 8.63 | 128 | 315308m | 30.07 | ng | | |
| 32) Benzoic acid | 8.30 | 122 | 41557 | 22.15 | ng | # | 61 |
| 33) 4-Chloroaniline | 8.68 | 127 | 107038m | 23.85 | ng | | |
| 34) Hexachlorobutadiene | 8.76 | 225 | 63948 | 34.41 | ng | | 99 |
| 35) Caprolactam | 9.01 | 113 | 28913 | 33.52 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 9.14 | 107 | 94095 | 31.39 | ng | | 96 |
| 37) 2-Methylnaphthalene | 9.33 | 142 | 234547 | 34.58 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.50 | 216 | 111571 | 36.57 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.49 | 237 | 107755 | 69.52 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.60 | 196 | 72805 | 35.07 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.64 | 196 | 70663 | 29.54 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.80 | 154 | 284676 | 33.37 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.82 | 162 | 209365 | 30.25 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.91 | 65 | 60719 | 31.96 | ng | | 96 |
| 48) Acenaphthylene | 10.24 | 152 | 354264 | 30.67 | ng | | 98 |
| 49) Dimethylphthalate | 10.08 | 163 | 264600 | 33.57 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.15 | 165 | 50530 | 31.98 | ng | # | 88 |
| 51) Acenaphthene | 10.41 | 154 | 228722 | 32.36 | ng | | 90 |
| 52) 3-Nitroaniline | 10.31 | 138 | 49756 | 27.29 | ng | # | 40 |
| 53) 2,4-Dinitrophenol | 10.42 | 184 | 51075 | 79.45 | ng | # | 1 |
| 54) Dibenzofuran | 10.58 | 168 | 311243 | 31.04 | ng | # | 85 |
| 55) 4-Nitrophenol | 10.46 | 139 | 99919 | 68.57 | ng | # | 55 |
| 56) 2,4-Dinitrotoluene | 10.55 | 165 | 74385 | 37.10 | ng | # | 79 |
| 57) Fluorene | 10.94 | 166 | 271132 | 34.07 | ng | | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.71 | 232 | 62026 | 30.72 | ng | | 99 |
| 59) Diethylphthalate | 10.78 | 149 | 247143 | 31.14 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.92 | 204 | 116026 | 30.34 | ng | # | 79 |
| 61) 4-Nitroaniline | 10.93 | 138 | 58090 | 30.85 | ng | # | 44 |
| 62) Azobenzene | 11.08 | 77 | 243206 | 30.10 | ng | # | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 10.96 | 198 | 34156 | 34.70 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 11.03 | 169 | 214222 | 29.93 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 11.42 | 248 | 76750 | 32.84 | ng | | 93 |
| 67) Hexachlorobenzene | 11.50 | 284 | 82798 | 31.87 | ng | # | 84 |
| 68) Atrazine | 11.56 | 200 | 73532 | 32.52 | ng | | 84 |
| 69) Pentachlorophenol | 11.69 | 266 | 81648 | 55.47 | ng | | 99 |
| 70) Phenanthrene | 11.92 | 178 | 395423 | 29.71 | ng | | 97 |
| 71) Anthracene | 11.97 | 178 | 392011 | 30.59 | ng | | 98 |
| 72) Carbazole | 12.13 | 167 | 348313 | 28.47 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.46 | 149 | 410794 | 29.06 | ng | # | 98 |
| 74) Fluoranthene | 13.19 | 202 | 424712 | 29.97 | ng | | 95 |
| 76) Benzidine | 13.32 | 184 | 313345 | 44.90 | ng | # | 97 |
| 77) Pyrene | 13.45 | 202 | 443535 | 28.85 | ng | | 97 |
| 79) Butylbenzylphthalate | 14.17 | 149 | 181381 | 29.38 | ng | # | 96 |
| 80) Benzo(a)anthracene | 14.91 | 228 | 433445 | 28.50 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.85 | 252 | 117437 | 22.39 | ng | # | 93 |
| 82) Chrysene | 14.95 | 228 | 408931 | 29.15 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 14.88 | 149 | 277344 | 28.43 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 15.72 | 149 | 464617 | 27.79 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 18.68 | 276 | 450589 | 25.48 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 16.29 | 252 | 403207 | 28.05 | ng | # | 86 |
| 88) Benzo(k)fluoranthene | 16.32 | 252 | 438484 | 29.96 | ng | # | 88 |
| 89) Benzo(a)pyrene | 16.75 | 252 | 396651 | 29.06 | ng | # | 88 |
| 90) Dibenzo(a,h)anthracene | 18.71 | 278 | 374996 | 26.84 | ng | # | 79 |
| 91) Benzo(g,h,i)perylene | 19.24 | 276 | 383309 | 27.17 | ng | # | 77 |

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

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