Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087234.D
Acq On : 20 May 2016 19:57
Operator : UM/SJ
Sample : PB90764BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB90764BS

Quant Time: May 23 16:40:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 20 23:58:09 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.56 | 152 | 144161 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.85 | 136 | 609198 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 9.59 | 164 | 299225 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.07 | 188 | 562724 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.70 | 240 | 375739 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.04 | 264 | 306581 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 749253 | 87.36 | ng | | 0.01 |
| 7) Phenol-d6 | 6.23 | 99 | 919896 | 79.97 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.14 | 82 | 1018724 | 83.34 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.39 | 330 | 253384 | 76.63 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.92 | 172 | 1434519 | 79.40 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.65 | 244 | 1410783 | 84.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.06 | 88 | 146923 | 33.30 | ng | # | 59 |
| 3) Pyridine | 2.67 | 79 | 368471 | 34.53 | ng | # | 69 |
| 4) n-Nitrosodimethylamine | 2.65 | 42 | 316194 | 41.81 | ng | # | 50 |
| 6) Aniline | 6.23 | 93 | 256502 | 17.55 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.34 | 128 | 447555 | 42.89 | ng | # | 78 |
| 9) Benzaldehyde | 6.10 | 77 | 105065 | 14.07 | ng | | 90 |
| 10) Phenol | 6.24 | 94 | 542506 | 37.52 | ng | # | 64 |
| 11) bis(2-Chloroethyl)ether | 6.31 | 93 | 457357 | 42.12 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.49 | 146 | 439884m | 39.66 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.57 | 146 | 452364m | 39.86 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.73 | 146 | 401946 | 40.45 | ng | | 97 |
| 15) Benzyl Alcohol | 6.73 | 79 | 422668 | 49.36 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.86 | 45 | 866698 | 38.83 | ng | | 53 |
| 17) 2-Methylphenol | 6.86 | 107 | 379651 | 44.30 | ng | # | 80 |
| 18) Hexachloroethane | 7.06 | 117 | 178270 | 41.09 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 147322 | 16.85 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.02 | 107 | 518800 | 45.89 | ng | # | 59 |
| 22) Acetophenone | 6.98 | 105 | 640908 | 42.99 | ng | # | 97 |
| 24) Nitrobenzene | 7.15 | 77 | 497402 | 37.27 | ng | | 94 |
| 25) Isophorone | 7.14 | 82 | 1018724 | 45.53 | ng | # | 68 |
| 26) 2-Nitrophenol | 7.47 | 139 | 245429 | 44.39 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 7.53 | 122 | 391986 | 41.55 | ng | | 86 |
| 28) bis(2-Chloroethoxy)methane | 7.61 | 93 | 562442 | 45.79 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 7.72 | 162 | 394798 | 47.48 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.79 | 180 | 402968 | 43.68 | ng | | 98 |
| 31) Naphthalene | 7.86 | 128 | 1264635 | 42.49 | ng | | 99 |
| 32) Benzoic acid | 7.71 | 122 | 220827m | 39.27 | ng | | |
| 33) 4-Chloroaniline | 7.94 | 127 | 121273 | 9.80 | ng | # | 94 |
| 34) Hexachlorobutadiene | 7.99 | 225 | 237463 | 45.35 | ng | | 97 |
| 35) Caprolactam | 8.32 | 113 | 118781m | 42.90 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.44 | 107 | 418755 | 41.75 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.56 | 142 | 826218m | 43.40 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.73 | 216 | 386031 | 44.17 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.71 | 237 | 286127 | 84.31 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.86 | 196 | 248176m | 43.79 | ng | | |
| 43) 2,4,5-Trichlorophenol | 8.90 | 196 | 254291 | 43.19 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 9.03 | 154 | 1145558 | 46.17 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.05 | 162 | 841449 | 44.18 | ng | | 99 |
| 47) 2-Nitroaniline | 9.16 | 65 | 323069m | 44.26 | ng | | |
| 48) Acenaphthylene | 9.46 | 152 | 1244182 | 42.78 | ng | | 99 |
| 49) Dimethylphthalate | 9.34 | 163 | 998781 | 43.76 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.59 | 165 | 38866 | 7.84 | ng | # | 32 |
| 51) Acenaphthene | 9.62 | 154 | 733474 | 40.37 | ng | | 99 |
| 52) 3-Nitroaniline | 9.58 | 138 | 79579m | 14.83 | ng | | |
| 53) 2,4-Dinitrophenol | 9.69 | 184 | 198525 | 70.50 | ng | # | 70 |
| 54) Dibenzofuran | 9.80 | 168 | 1151822 | 49.02 | ng | | 98 |
| 55) 4-Nitrophenol | 9.77 | 139 | 183434m | 57.52 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.59 | 165 | 38866 | 6.12 | ng | # | 26 |
| 57) Fluorene | 10.14 | 166 | 807834 | 42.79 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.93 | 232 | 213428 | 46.54 | ng | | 97 |
| 59) Diethylphthalate | 10.03 | 149 | 889815 | 40.83 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.14 | 204 | 402318 | 44.96 | ng | | 94 |
| 61) 4-Nitroaniline | 10.19 | 138 | 190494 | 35.96 | ng | # | 67 |
| 62) Azobenzene | 10.30 | 77 | 1206942 | 48.07 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.23 | 198 | 150430 | 40.59 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.26 | 169 | 733550 | 41.42 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.39 | 248 | 17297 | 2.99 | ng | # | 1 |
| 67) Hexachlorobenzene | 10.68 | 284 | 259012 | 38.61 | ng | # | 73 |
| 68) Atrazine | 10.80 | 200 | 247342 | 42.82 | ng | | 93 |
| 69) Pentachlorophenol | 10.89 | 266 | 202338 | 80.28 | ng | | 97 |
| 70) Phenanthrene | 11.10 | 178 | 1290952 | 42.30 | ng | | 99 |
| 71) Anthracene | 11.14 | 178 | 1261652 | 40.87 | ng | | 100 |
| 72) Carbazole | 11.31 | 167 | 1171942 | 41.56 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.65 | 149 | 1482802 | 45.78 | ng | # | 98 |
| 74) Fluoranthene | 12.27 | 202 | 1192082 | 38.98 | ng | | 97 |
| 76) Benzidine | 12.65 | 184 | 24727m | 2.70 | ng | | |
| 77) Pyrene | 12.50 | 202 | 1331723 | 49.06 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.13 | 149 | 633719 | 55.30 | ng | # | 86 |
| 80) Benzo(a)anthracene | 13.68 | 228 | 968807m | 44.59 | ng | | |
| 81) 3,3'-Dichlorobenzidine | 13.66 | 252 | 169012 | 12.23 | ng | # | 95 |
| 82) Chrysene | 13.73 | 228 | 1053725 | 50.13 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.69 | 149 | 773029 | 55.43 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.30 | 149 | 1290131 | 53.70 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 16.27 | 276 | 741613 | 40.20 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.69 | 252 | 827634m | 40.69 | ng | | |
| 88) Benzo(k)fluoranthene | 14.71 | 252 | 731122m | 48.28 | ng | | |
| 89) Benzo(a)pyrene | 14.99 | 252 | 740831 | 43.58 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.27 | 278 | 624292 | 43.61 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.63 | 276 | 625954 | 43.30 | ng | | 96 |

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

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