Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101473.D
Acq On : 18 Dec 2017 11:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Dec 18 15:39:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 133520 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 541109 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 253507 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 497279 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 404367 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 367317 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 786249 | 87.72 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 914948 | 82.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 835866 | 85.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 236137 | 96.67 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1417230 | 86.72 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1399937 | 83.46 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.53 | 88 | 189221 | 41.083 | ng | | 96 |
| 3) Pyridine | 3.30 | 79 | 522527 | 40.833 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.26 | 42 | 236356 | 40.115 | ng | | 100 |
| 6) Aniline | 6.47 | 93 | 642332 | 41.434 | ng | | 92 |
| 8) 2-Chlorophenol | 6.60 | 128 | 403653 | 42.809 | ng | | 99 |
| 9) Benzaldehyde | 6.37 | 77 | 324453 | 39.382 | ng | | 97 |
| 10) Phenol | 6.46 | 94 | 532183 | 41.856 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 421033 | 42.216 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 466770 | 43.861 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 476576 | 43.854 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 431919 | 44.155 | ng | | 97 |
| 15) Benzyl Alcohol | 6.96 | 79 | 314547 | 40.965 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 639574 | 41.901 | ng | | 82 |
| 17) 2-Methylphenol | 7.07 | 107 | 357270 | 41.191 | ng | | 96 |
| 18) Hexachloroethane | 7.31 | 117 | 161386 | 42.714 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 285480 | 38.968 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 399027 | 43.415 | ng | # | 65 |
| 22) Acetophenone | 7.23 | 105 | 527588 | 42.731 | ng | # | 90 |
| 24) Nitrobenzene | 7.40 | 77 | 447682 | 41.613 | ng | | 98 |
| 25) Isophorone | 7.63 | 82 | 795159 | 40.777 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 225844 | 48.863 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 339302 | 43.212 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 518750 | 41.879 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 350021 | 45.120 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 362257 | 44.250 | ng | | 96 |
| 31) Naphthalene | 8.12 | 128 | 1155979 | 42.435 | ng | | 99 |
| 32) Benzoic acid | 7.91 | 122 | 252772 | 47.813 | ng | | 97 |
| 33) 4-Chloroaniline | 8.17 | 127 | 508893 | 42.981 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 211718 | 44.715 | ng | | 98 |
| 35) Caprolactam | 8.56 | 113 | 118894 | 44.138 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 366481 | 42.982 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 755676 | 42.577 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 372303 | 43.498 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 66843 | 49.331 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 234613 | 45.531 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 253360 | 44.906 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 938418 | 41.740 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 729132 | 42.385 | ng | | 96 |
| 47) 2-Nitroaniline | 9.40 | 65 | 258349 | 43.474 | ng | | 98 |
| 48) Acenaphthylene | 9.71 | 152 | 1124419 | 41.383 | ng | | 100 |
| 49) Dimethylphthalate | 9.57 | 163 | 845114 | 41.445 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 187065 | 45.137 | ng | | 93 |
| 51) Acenaphthene | 9.88 | 154 | 685981 | 42.022 | ng | | 98 |
| 52) 3-Nitroaniline | 9.82 | 138 | 235114 | 45.503 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 60852 | 47.039 | ng | # | 20 |
| 54) Dibenzofuran | 10.05 | 168 | 910340 | 43.882 | ng | | 97 |
| 55) 4-Nitrophenol | 9.99 | 139 | 100999 | 44.828 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 218016 | 46.691 | ng | # | 92 |
| 57) Fluorene | 10.40 | 166 | 773767 | 44.091 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 190189 | 46.919 | ng | # | 87 |
| 59) Diethylphthalate | 10.27 | 149 | 866283 | 42.900 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 382504 | 45.478 | ng | | 92 |
| 61) 4-Nitroaniline | 10.43 | 138 | 227357 | 43.776 | ng | | 96 |
| 62) Azobenzene | 10.55 | 77 | 844356 | 40.365 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 135191 | 53.274 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 764490 | 41.635 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 244343 | 43.730 | ng | # | 90 |
| 67) Hexachlorobenzene | 10.95 | 284 | 260340 | 44.023 | ng | # | 84 |
| 68) Atrazine | 11.03 | 200 | 244778 | 44.708 | ng | | 97 |
| 69) Pentachlorophenol | 11.15 | 266 | 97250 | 45.379 | ng | | 98 |
| 70) Phenanthrene | 11.36 | 178 | 1154225 | 41.737 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 1175089 | 41.599 | ng | | 99 |
| 72) Carbazole | 11.57 | 167 | 1110199 | 41.977 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 1381192 | 43.027 | ng | | 100 |
| 74) Fluoranthene | 12.56 | 202 | 1232697 | 42.467 | ng | | 98 |
| 76) Benzidine | 12.67 | 184 | 698621 | 40.906 | ng | | 98 |
| 77) Pyrene | 12.79 | 202 | 1281870 | 42.240 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 602005 | 43.841 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 1122860 | 42.053 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 376604 | 43.257 | ng | | 98 |
| 82) Chrysene | 14.02 | 228 | 1035118 | 41.059 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 752421 | 43.261 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.55 | 149 | 1338430 | 43.150 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 819564 | 36.506 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 955514 | 42.678 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 940839 | 43.221 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 881273 | 42.699 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.94 | 278 | 691364 | 39.015 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.38 | 276 | 687505 | 39.181 | ng | | 95 |

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

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