Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
Data File : BF085327.D
Acq On : 10 Mar 2016 4:43
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 10 11:56:31 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
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3/10/2016 3:04:59 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 195192 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.23 | 136 | 790098 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.99 | 164 | 357224 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.48 | 188 | 637384 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 14.12 | 240 | 332970 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.58 | 264 | 307570 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 868991 | 74.68 | ng | | -0.03 |
| 7) Phenol-d6 | 6.57 | 99 | 1164744 | 76.40 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 1132717 | 76.72 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.78 | 330 | 248632 | 81.34 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 1896879 | 80.76 | ng | | -0.03 |
| 78) Terphenyl-d14 | 13.07 | 244 | 1442712 | 100.58 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 231396 | 38.88 | ng | | 96 |
| 3) Pyridine | 3.37 | 79 | 662679 | 44.49 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 242902 | 38.11 | ng | | 96 |
| 6) Aniline | 6.61 | 93 | 815612 | 38.17 | ng | | 99 |
| 8) 2-Chlorophenol | 6.73 | 128 | 562672 | 40.16 | ng | | 96 |
| 9) Benzaldehyde | 6.49 | 77 | 291136 | 40.81 | ng | | 98 |
| 10) Phenol | 6.58 | 94 | 611727m | 37.46 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 546319 | 40.28 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.89 | 146 | 592505 | 39.39 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 557215 | 36.97 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 562494 | 41.13 | ng | | 99 |
| 15) Benzyl Alcohol | 7.09 | 79 | 415323 | 37.11 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 670747 | 34.31 | ng | | 98 |
| 17) 2-Methylphenol | 7.20 | 107 | 455671 | 39.86 | ng | | 98 |
| 18) Hexachloroethane | 7.46 | 117 | 215197 | 38.70 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 351449 | 35.37 | ng | # | 90 |
| 20) 3+4-Methylphenols | 7.35 | 107 | 522925 | 38.62 | ng | | 95 |
| 22) Acetophenone | 7.36 | 105 | 714753 | 37.06 | ng | | 99 |
| 24) Nitrobenzene | 7.53 | 77 | 566234 | 37.75 | ng | | 99 |
| 25) Isophorone | 7.77 | 82 | 1041016 | 38.05 | ng | | 98 |
| 26) 2-Nitrophenol | 7.85 | 139 | 297406 | 40.75 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 548358 | 41.11 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 563379 | 36.97 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.09 | 162 | 446629 | 41.52 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 455059 | 39.12 | ng | | 99 |
| 31) Naphthalene | 8.25 | 128 | 1451059 | 37.35 | ng | | 99 |
| 32) Benzoic acid | 8.00 | 122 | 336617 | 37.99 | ng | | 97 |
| 33) 4-Chloroaniline | 8.30 | 127 | 610206 | 38.83 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 252431 | 41.71 | ng | | 99 |
| 35) Caprolactam | 8.69 | 113 | 140984m | 40.13 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 459567 | 37.66 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 1007403 | 40.41 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 410715 | 40.20 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 133951 | 24.31 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.22 | 196 | 326295 | 42.91 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.26 | 196 | 301051 | 41.75 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 1206414 | 39.53 | ng | | 92 |
| 46) 2-Chloronaphthalene | 9.44 | 162 | 956040 | 41.10 | ng | | 99 |
| 47) 2-Nitroaniline | 9.53 | 65 | 315689 | 43.79 | ng | # | 81 |
| 48) Acenaphthylene | 9.85 | 152 | 1400333 | 38.68 | ng | | 99 |
| 49) Dimethylphthalate | 9.72 | 163 | 1069343 | 39.00 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.77 | 165 | 216864 | 36.97 | ng | | 89 |
| 51) Acenaphthene | 10.02 | 154 | 801447 | 36.46 | ng | | 99 |
| 52) 3-Nitroaniline | 9.94 | 138 | 280380 | 39.95 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 10.05 | 184 | 48383 | 22.65 | ng | # | 40 |
| 54) Dibenzofuran | 10.20 | 168 | 1090430 | 37.86 | ng | | 100 |
| 55) 4-Nitrophenol | 10.09 | 139 | 186184 | 33.76 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 10.17 | 165 | 306330 | 40.81 | ng | # | 87 |
| 57) Fluorene | 10.54 | 166 | 858583 | 37.95 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.31 | 232 | 198857 | 39.26 | ng | | 97 |
| 59) Diethylphthalate | 10.41 | 149 | 1060968 | 39.88 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 430138 | 39.08 | ng | | 94 |
| 61) 4-Nitroaniline | 10.56 | 138 | 302543 | 46.09 | ng | | 91 |
| 62) Azobenzene | 10.69 | 77 | 993786 | 37.91 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.58 | 198 | 90871 | 23.81 | ng | | 76 |
| 65) n-Nitrosodiphenylamine | 10.65 | 169 | 869137 | 43.84 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 256587 | 41.46 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.09 | 284 | 262471 | 39.75 | ng | # | 83 |
| 68) Atrazine | 11.18 | 200 | 275723 | 50.01 | ng | | 96 |
| 69) Pentachlorophenol | 11.28 | 266 | 154007 | 42.02 | ng | | 98 |
| 70) Phenanthrene | 11.50 | 178 | 1261200 | 37.76 | ng | | 99 |
| 71) Anthracene | 11.56 | 178 | 1382099 | 38.98 | ng | | 100 |
| 72) Carbazole | 11.70 | 167 | 1065682 | 34.27 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 1482817 | 37.73 | ng | | 99 |
| 74) Fluoranthene | 12.69 | 202 | 1113965 | 33.23 | ng | | 97 |
| 76) Benzidine | 12.81 | 184 | 486939 | 49.14 | ng | | 99 |
| 77) Pyrene | 12.92 | 202 | 1076618 | 42.96 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.53 | 149 | 480965 | 42.30 | ng | | 87 |
| 80) Benzo(a)anthracene | 14.11 | 228 | 735075 | 36.88 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.07 | 252 | 282457 | 44.92 | ng | # | 96 |
| 82) Chrysene | 14.14 | 228 | 614038 | 33.35 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 605797 | 40.48 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 889476 | 39.03 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.05 | 276 | 807021 | 56.16 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.16 | 252 | 759534 | 37.05 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 583174m | 35.27 | ng | | |
| 89) Benzo(a)pyrene | 15.52 | 252 | 684669 | 40.30 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.07 | 278 | 677688 | 46.73 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.49 | 276 | 647545 | 44.41 | ng | | 99 |

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

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