Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090504.D
Acq On : 11 Oct 2016 16:18
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
sohil
10/12/2016 4:09:34 PM

Quant Time: Oct 11 18:14:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 214505 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 867572 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.99 | 164 | 440117 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.48 | 188 | 749742 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.13 | 240 | 743561 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.61 | 264 | 563878 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 1155345 | 83.79 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 1455980 | 83.68 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 1218744 | 76.19 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 373298 | 85.56 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 2131964 | 81.40 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 2336128 | 76.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 269108 | 39.79 | ng | # | 84 |
| 3) Pyridine | 3.37 | 79 | 728600 | 38.98 | ng | # | 78 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 247336 | 40.37 | ng | # | 45 |
| 6) Aniline | 6.61 | 93 | 870791 | 39.45 | ng | | 98 |
| 8) 2-Chlorophenol | 6.74 | 128 | 596764 | 40.69 | ng | | 95 |
| 9) Benzaldehyde | 6.50 | 77 | 441553 | 40.28 | ng | | 100 |
| 10) Phenol | 6.60 | 94 | 870319 | 44.34 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 598635 | 40.75 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 636273 | 40.21 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 607479 | 37.62 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.13 | 146 | 632330 | 43.10 | ng | | 99 |
| 15) Benzyl Alcohol | 7.09 | 79 | 507234 | 37.97 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 819488 | 38.92 | ng | | 89 |
| 17) 2-Methylphenol | 7.21 | 107 | 459071 | 38.48 | ng | | 99 |
| 18) Hexachloroethane | 7.47 | 117 | 241935 | 40.60 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 407143 | 36.69 | ng | # | 81 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 610872 | 40.44 | ng | # | 59 |
| 22) Acetophenone | 7.37 | 105 | 797422 | 41.75 | ng | # | 90 |
| 24) Nitrobenzene | 7.54 | 77 | 713887 | 41.61 | ng | | 93 |
| 25) Isophorone | 7.78 | 82 | 1125033 | 38.65 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 330089 | 42.17 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 541376 | 40.69 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 644287 | 35.84 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 470702 | 42.30 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 490576 | 38.38 | ng | | 98 |
| 31) Naphthalene | 8.27 | 128 | 1678281 | 38.83 | ng | | 97 |
| 32) Benzoic acid | 8.02 | 122 | 439435 | 41.85 | ng | | 97 |
| 33) 4-Chloroaniline | 8.31 | 127 | 725010 | 39.62 | ng | # | 86 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 294255 | 41.17 | ng | | 99 |
| 35) Caprolactam | 8.68 | 113 | 139842 | 38.76 | ng | # | 77 |
| 36) 4-Chloro-3-methylphenol | 8.79 | 107 | 542251 | 41.73 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 1088966 | 37.54 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 517230 | 41.98 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.11 | 237 | 261451 | 42.75 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090504.D
Acq On : 11 Oct 2016 16:18
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
sohil
10/12/2016 4:09:34 PM

Quant Time: Oct 11 18:14:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 314546 | 37.87 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.27 | 196 | 351974 | 42.81 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 1457576 | 43.36 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 1074407 | 42.96 | ng | | 98 |
| 47) 2-Nitroaniline | 9.54 | 65 | 382179 | 42.84 | ng | | 95 |
| 48) Acenaphthylene | 9.86 | 152 | 1520709 | 37.69 | ng | | 99 |
| 49) Dimethylphthalate | 9.72 | 163 | 1163701 | 39.31 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 247433 | 37.86 | ng | | 93 |
| 51) Acenaphthene | 10.03 | 154 | 1055483 | 39.03 | ng | | 99 |
| 52) 3-Nitroaniline | 9.95 | 138 | 322324 | 39.75 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.05 | 184 | 160834 | 44.35 | ng | | 95 |
| 54) Dibenzofuran | 10.20 | 168 | 1347490 | 37.45 | ng | | 93 |
| 55) 4-Nitrophenol | 10.11 | 139 | 278345 | 44.17 | ng | # | 66 |
| 56) 2,4-Dinitrotoluene | 10.18 | 165 | 327187 | 37.85 | ng | # | 37 |
| 57) Fluorene | 10.54 | 166 | 1105636 | 37.64 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 278168 | 40.56 | ng | | 93 |
| 59) Diethylphthalate | 10.42 | 149 | 1176482 | 39.08 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 583404 | 43.04 | ng | # | 87 |
| 61) 4-Nitroaniline | 10.57 | 138 | 361576 | 43.70 | ng | | 90 |
| 62) Azobenzene | 10.70 | 77 | 1372989 | 41.76 | ng | | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 10.59 | 198 | 194797 | 38.90 | ng | # | 73 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 976375 | 40.05 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 11.03 | 248 | 342302 | 41.20 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.10 | 284 | 365798 | 39.86 | ng | # | 81 |
| 68) Atrazine | 11.18 | 200 | 280426 | 37.17 | ng | | 99 |
| 69) Pentachlorophenol | 11.29 | 266 | 216406 | 39.63 | ng | | 99 |
| 70) Phenanthrene | 11.51 | 178 | 1731311 | 41.90 | ng | | 97 |
| 71) Anthracene | 11.56 | 178 | 1539032 | 36.77 | ng | | 98 |
| 72) Carbazole | 11.72 | 167 | 1626361 | 41.14 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 1946499 | 40.88 | ng | # | 96 |
| 74) Fluoranthene | 12.70 | 202 | 1838127 | 43.58 | ng | | 93 |
| 76) Benzidine | 12.82 | 184 | 801300 | 34.29 | ng | | 96 |
| 77) Pyrene | 12.93 | 202 | 1825924 | 39.23 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 868768 | 39.87 | ng | | 93 |
| 80) Benzo(a)anthracene | 14.12 | 228 | 1640292 | 37.02 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 660486 | 41.42 | ng | # | 99 |
| 82) Chrysene | 14.16 | 228 | 1365718 | 33.11 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 1162316 | 36.55 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 1892849 | 38.44 | ng | # | 87 |
| 85) Indeno(1,2,3-cd)pyrene | 17.08 | 276 | 1296801 | 37.76 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.17 | 252 | 1647822 | 44.29 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.21 | 252 | 1145486m | 34.56 | ng | | |
| 89) Benzo(a)pyrene | 15.55 | 252 | 1366111 | 41.81 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.10 | 278 | 1131921 | 40.79 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.54 | 276 | 1037861 | 40.44 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090504.D
Acq On : 11 Oct 2016 16:18
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:14:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
sohil
10/12/2016 4:09:34 PM