Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093430.D
Acq On : 8 Mar 2017 15:53
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
3/10/2017 8:11:33 AM

Quant Time: Mar 08 17:02:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 197620 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 793527 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 381205 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 700534 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 550057 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.35 | 264 | 516867 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 981116 | 82.63 | ng | | 0.00 |
| 7) Phenol-d6 | 6.41 | 99 | 1175963 | 78.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 1209549 | 84.57 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 212959 | 85.75 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1715078 | 83.68 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.87 | 244 | 1754545 | 82.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.28 | 88 | 271622 | 41.53 | ng | # | 85 |
| 3) Pyridine | 2.97 | 79 | 731391 | 43.86 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 2.94 | 42 | 331668 | 41.64 | ng | | 88 |
| 6) Aniline | 6.42 | 93 | 786374 | 38.27 | ng | # | 66 |
| 8) 2-Chlorophenol | 6.55 | 128 | 511429 | 38.44 | ng | | 93 |
| 9) Benzaldehyde | 6.31 | 77 | 385837 | 43.86 | ng | | 88 |
| 10) Phenol | 6.44 | 94 | 696347 | 37.95 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.50 | 93 | 561043 | 37.83 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.70 | 146 | 580175m | 38.10 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.78 | 146 | 597106 | 38.30 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.94 | 146 | 560351 | 40.59 | ng | | 95 |
| 15) Benzyl Alcohol | 6.93 | 79 | 421649 | 39.50 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 994406 | 40.37 | ng | | 83 |
| 17) 2-Methylphenol | 7.04 | 107 | 433781 | 38.55 | ng | # | 92 |
| 18) Hexachloroethane | 7.27 | 117 | 208208 | 39.60 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70 | 382634 | 37.17 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 599164 | 41.06 | ng | # | 76 |
| 22) Acetophenone | 7.19 | 105 | 766824 | 40.16 | ng | # | 97 |
| 24) Nitrobenzene | 7.36 | 77 | 633842 | 39.43 | ng | | 100 |
| 25) Isophorone | 7.60 | 82 | 1133656 | 39.31 | ng | | 94 |
| 26) 2-Nitrophenol | 7.68 | 139 | 306987 | 41.86 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 493703 | 41.38 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 730762 | 40.14 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 437236 | 38.96 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.00 | 180 | 478574 | 40.10 | ng | | 96 |
| 31) Naphthalene | 8.08 | 128 | 1582339 | 39.79 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 209217 | 33.75 | ng | | 97 |
| 33) 4-Chloroaniline | 8.14 | 127 | 658469 | 40.80 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 243957 | 39.68 | ng | | 97 |
| 35) Caprolactam | 8.53 | 113 | 150379 | 39.23 | ng | # | 29 |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 468525 | 39.11 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 967952 | 38.26 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 470454 | 45.20 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 8.92 | 237 | 88560 | 40.71 | ng | | 96 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093430.D
Acq On : 8 Mar 2017 15:53
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
3/10/2017 8:11:33 AM

Quant Time: Mar 08 17:02:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.05 | 196 | 287543 | 44.21 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 9.11 | 196 | 310559 | 44.50 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 1260810 | 45.40 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 986646 | 46.42 | ng | | 99 |
| 47) 2-Nitroaniline | 9.36 | 65 | 335996 | 44.71 | ng | | 91 |
| 48) Acenaphthylene | 9.67 | 152 | 1464074 | 41.76 | ng | | 99 |
| 49) Dimethylphthalate | 9.53 | 163 | 1081647 | 42.80 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.61 | 165 | 261632 | 47.18 | ng | # | 84 |
| 51) Acenaphthene | 9.84 | 154 | 887936 | 42.83 | ng | | 97 |
| 52) 3-Nitroaniline | 9.78 | 138 | 309731 | 46.49 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 9.90 | 184 | 136733 | 54.14 | ng | # | 51 |
| 54) Dibenzofuran | 10.01 | 168 | 1169740 | 45.08 | ng | | 96 |
| 55) 4-Nitrophenol | 9.97 | 139 | 133442 | 41.24 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 10.01 | 165 | 282185 | 41.42 | ng | # | 58 |
| 57) Fluorene | 10.36 | 166 | 996280 | 45.31 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 224955 | 45.68 | ng | | 96 |
| 59) Diethylphthalate | 10.23 | 149 | 978524 | 40.51 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 438595 | 44.50 | ng | | 91 |
| 61) 4-Nitroaniline | 10.40 | 138 | 317456 | 46.59 | ng | | 82 |
| 62) Azobenzene | 10.50 | 77 | 1221282 | 44.50 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 176065 | 38.79 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.47 | 169 | 873627 | 37.35 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 281584 | 38.01 | ng | # | 88 |
| 67) Hexachlorobenzene | 10.90 | 284 | 259650 | 36.71 | ng | # | 88 |
| 68) Atrazine | 11.00 | 200 | 264287 | 38.60 | ng | | 99 |
| 69) Pentachlorophenol | 11.11 | 266 | 101007 | 41.36 | ng | | 98 |
| 70) Phenanthrene | 11.32 | 178 | 1411380 | 35.30 | ng | | 100 |
| 71) Anthracene | 11.37 | 178 | 1587952 | 39.26 | ng | | 98 |
| 72) Carbazole | 11.53 | 167 | 1559529 | 41.04 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.85 | 149 | 1694948 | 38.56 | ng | # | 98 |
| 74) Fluoranthene | 12.50 | 202 | 1424977 | 36.89 | ng | | 99 |
| 76) Benzidine | 12.63 | 184 | 785023 | 43.40 | ng | | 99 |
| 77) Pyrene | 12.73 | 202 | 1476172 | 36.90 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.35 | 149 | 744748 | 44.22 | ng | | 87 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 1246282 | 38.37 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.89 | 252 | 451684 | 39.70 | ng | # | 98 |
| 82) Chrysene | 13.97 | 228 | 1253233 | 41.70 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.90 | 149 | 957819 | 40.81 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.52 | 149 | 1586085 | 40.54 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.73 | 276 | 1096704 | 43.59 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 14.95 | 252 | 1230191m | 39.08 | ng | | |
| 88) Benzo(k)fluoranthene | 14.97 | 252 | 1100699m | 36.26 | ng | | |
| 89) Benzo(a)pyrene | 15.29 | 252 | 1125416 | 39.12 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.73 | 278 | 933476 | 39.22 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.13 | 276 | 960494 | 39.32 | ng | # | 91 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093430.D
Acq On : 8 Mar 2017 15:53
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 08 17:02:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
3/10/2017 8:11:33 AM