Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
Data File : BF119934.D
Acq On : 14 Apr 2020 4:50
Operator : MA/SJ
Sample : PB128182BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB128182BS

**Manual Integrations APPROVED**
mohammad
4/14/2020 3:38:12 PM

Quant Time: Apr 14 07:00:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 13:37:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 234551 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 923949 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.78 | 164 | 497597 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.27 | 188 | 972603 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.91 | 240 | 689757 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.33 | 264 | 658250 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 1597711 | 117.72 | ng | | 0.02 |
| 7) Phenol-d6 | 6.38 | 99 | 2055129 | 117.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1302267 | 72.92 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.57 | 330 | 661042 | 108.50 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 2540048 | 72.47 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.86 | 244 | 2927624 | 71.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 195730 | 32.379 | ng | | 97 |
| 3) Pyridine | 3.18 | 79 | 566759 | 34.172 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.14 | 42 | 323852 | 38.217 | ng | | 94 |
| 6) Aniline | 6.40 | 93 | 805043 | 35.072 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.52 | 128 | 664634 | 43.828 | ng | | 98 |
| 9) Benzaldehyde | 6.28 | 77 | 301033 | 28.116 | ng | | 98 |
| 10) Phenol | 6.39 | 94 | 823314 | 41.497 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 616462 | 40.241 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 647091 | 38.977 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 654304 | 38.689 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.91 | 146 | 618539 | 39.686 | ng | | 97 |
| 15) Benzyl Alcohol | 6.89 | 79 | 541270 | 39.848 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 1085030 | 36.398 | ng | | 99 |
| 17) 2-Methylphenol | 7.00 | 107 | 540580 | 39.945 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 249974 | 39.551 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 452190 | 40.209 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 658905 | 39.810 | ng | | 99 |
| 22) Acetophenone | 7.15 | 105 | 856971 | 39.609 | ng | # | 97 |
| 24) Nitrobenzene | 7.33 | 77 | 688576 | 38.326 | ng | | 95 |
| 25) Isophorone | 7.57 | 82 | 1294700 | 37.606 | ng | | 99 |
| 26) 2-Nitrophenol | 7.64 | 139 | 361967 | 40.326 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 576358 | 42.575 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93 | 811576 | 40.060 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 558788 | 40.270 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 584791 | 37.194 | ng | | 99 |
| 31) Naphthalene | 8.05 | 128 | 1876428 | 38.600 | ng | | 99 |
| 32) Benzoic acid | 7.82 | 122 | 387714 | 32.611 | ng | | 94 |
| 33) 4-Chloroaniline | 8.09 | 127 | 582988 | 27.548 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 330450 | 35.110 | ng | | 100 |
| 35) Caprolactam | 8.47 | 113 | 170224m | 40.103 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 619735 | 41.252 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 1280016 | 38.839 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.84 | 142 | 1225452 | 39.450 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 557451 | 35.470 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
Data File : BF119934.D
Acq On : 14 Apr 2020 4:50
Operator : MA/SJ
Sample : PB128182BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB128182BS

**Manual Integrations APPROVED**
mohammad
4/14/2020 3:38:12 PM

Quant Time: Apr 14 07:00:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 13:37:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.89 | 237 | 648473 | 72.562 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.02 | 196 | 423864 | 39.056 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.06 | 196 | 453331 | 37.087 ng | 98 |
| 46) 1,1'-Biphenyl | 9.20 | 154 | 1558558 | 37.109 ng | 99 |
| 47) 2-Chloronaphthalene | 9.23 | 162 | 1215200 | 37.559 ng | 98 |
| 48) 2-Nitroaniline | 9.33 | 65 | 456039 | 38.895 ng | 96 |
| 49) Acenaphthylene | 9.65 | 152 | 1928009 | 39.183 ng | 99 |
| 50) Dimethylphthalate | 9.52 | 163 | 1475432 | 38.334 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.57 | 165 | 336122 | 39.880 ng | 96 |
| 52) Acenaphthene | 9.82 | 154 | 1160989 | 35.371 ng | 99 |
| 53) 3-Nitroaniline | 9.74 | 138 | 274613 | 28.528 ng | 95 |
| 54) 2,4-Dinitrophenol | 9.85 | 184 | 213828 | 42.375 ng | 94 |
| 55) Dibenzofuran | 9.99 | 168 | 1721573 | 38.222 ng | 98 |
| 56) 4-Nitrophenol | 9.91 | 139 | 573543 | 80.079 ng | 96 |
| 57) 2,4-Dinitrotoluene | 9.97 | 165 | 448313 | 40.372 ng | 94 |
| 58) Fluorene | 10.33 | 166 | 1354361 | 37.598 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 388903 | 41.600 ng | 96 |
| 60) Diethylphthalate | 10.21 | 149 | 1522747 | 38.173 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.32 | 204 | 644795 | 34.925 ng | 96 |
| 62) 4-Nitroaniline | 10.36 | 138 | 376015 | 40.989 ng | 99 |
| 63) Azobenzene | 10.49 | 77 | 1425235 | 39.867 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198 | 188930 | 29.485 ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.45 | 169 | 1265876 | 39.135 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.82 | 248 | 438474 | 36.252 ng | 96 |
| 68) Hexachlorobenzene | 10.88 | 284 | 463703 | 37.791 ng | 97 |
| 69) Atrazine | 10.98 | 200 | 399934 | 44.439 ng | 97 |
| 70) Pentachlorophenol | 11.07 | 266 | 487804 | 68.986 ng | 98 |
| 71) Phenanthrene | 11.29 | 178 | 2000690 | 38.651 ng | 98 |
| 72) Anthracene | 11.35 | 178 | 2069806 | 39.142 ng | 100 |
| 73) Carbazole | 11.50 | 167 | 1929065 | 38.577 ng | 99 |
| 74) Di-n-butylphthalate | 11.83 | 149 | 2390448 | 36.363 ng | 99 |
| 75) Fluoranthene | 12.48 | 202 | 2181387 | 39.057 ng | 98 |
| 77) Benzidine | 12.60 | 184 | 1346504 | 57.751 ng | 97 |
| 78) Pyrene | 12.71 | 202 | 2178889 | 37.472 ng | 98 |
| 80) Butylbenzylphthalate | 13.33 | 149 | 1017346 | 36.056 ng | 98 |
| 81) Benzo(a)anthracene | 13.90 | 228 | 1710379 | 37.693 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.86 | 252 | 486625 | 28.742 ng | 95 |
| 83) Chrysene | 13.94 | 228 | 1792088 | 38.868 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 1306131 | 34.184 ng | 100 |
| 85) Di-n-octyl phthalate | 14.50 | 149 | 2382285 | 36.618 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.73 | 276 | 1606276 | 39.522 ng | 99 |
| 88) Benzo(b)fluoranthene | 14.93 | 252 | 1833030 | 38.710 ng | 99 |
| 89) Benzo(k)fluoranthene | 14.96 | 252 | 1664003 | 40.728 ng | 98 |
| 90) Benzo(a)pyrene | 15.27 | 252 | 1543761 | 38.774 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.74 | 278 | 1332785 | 37.791 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.15 | 276 | 1288480 | 37.012 ng | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
Data File : BF119934.D
Acq On : 14 Apr 2020 4:50
Operator : MA/SJ
Sample : PB128182BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 14 07:00:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 13:37:50 2020
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB128182BS

**Manual Integrations APPROVED**
mohammad
4/14/2020 3:38:12 PM