Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020819\
Data File : BG039417.D
Acq On : 8 Feb 2019 16:00
Operator : JU/SJ
Sample : PB116935BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB116935BS

**Manual Integrations APPROVED**
Sohil
2/11/2019 10:13:43 AM

Quant Time: Feb 09 00:02:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 45432 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.00 | 136 | 202352 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.80 | 164 | 132677 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 326420 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.83 | 240 | 346902 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.22 | 264 | 364796 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 438803 | 165.31 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 615062 | 157.41 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 294910 | 91.05 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.29 | 330 | 235732 | 165.00 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.43 | 172 | 726232 | 78.52 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1305762 | 79.67 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 44104 | 37.983 | ng | | 91 |
| 3) Pyridine | 4.00 | 79 | 121689 | 39.583 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 64425 | 41.903 | ng | | 90 |
| 6) Aniline | 7.50 | 93 | 143826 | 29.387 | ng | | 98 |
| 8) 2-Chlorophenol | 7.73 | 128 | 139067 | 47.927 | ng | | 94 |
| 9) Benzaldehyde | 7.32 | 77 | 70031 | 34.496 | ng | | 96 |
| 10) Phenol | 7.34 | 94 | 185465 | 45.534 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.59 | 93 | 129767 | 40.319 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 140978 | 40.107 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 145893 | 41.641 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.53 | 146 | 137624 | 40.577 | ng | | 99 |
| 15) Benzyl Alcohol | 8.41 | 79 | 128485 | 41.885 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 254219 | 34.977 | ng | | 100 |
| 17) 2-Methylphenol | 8.60 | 107 | 119475 | 45.327 | ng | | 98 |
| 18) Hexachloroethane | 9.26 | 117 | 50120 | 41.581 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.98 | 70 | 101219 | 36.498 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 164040 | 45.194 | ng | | 96 |
| 22) Acetophenone | 9.00 | 105 | 201141 | 37.005 | ng | # | 94 |
| 24) Nitrobenzene | 9.40 | 77 | 155314 | 44.384 | ng | | 97 |
| 25) Isophorone | 9.91 | 82 | 296626 | 41.325 | ng | | 100 |
| 26) 2-Nitrophenol | 10.11 | 139 | 73272 | 52.046 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 142854 | 49.199 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93 | 183267 | 41.452 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.64 | 162 | 147592 | 46.509 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 148885 | 41.788 | ng | | 98 |
| 31) Naphthalene | 11.05 | 128 | 424672 | 42.304 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 61806 | 35.418 | ng | | 97 |
| 33) 4-Chloroaniline | 11.16 | 127 | 98698 | 21.205 | ng | | 100 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 95127 | 40.148 | ng | | 97 |
| 35) Caprolactam | 11.93 | 113 | 48274m | 36.761 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 155357 | 42.331 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.64 | 142 | 324561 | 43.652 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.86 | 142 | 303535 | 42.351 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 174048 | 41.230 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020819\
Data File : BG039417.D
Acq On : 8 Feb 2019 16:00
Operator : JU/SJ
Sample : PB116935BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB116935BS

Manual Integrations APPROVED
Sohil
2/11/2019 10:13:43 AM

Quant Time: Feb 09 00:02:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.97 | 237 | 230225 | 100.085 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 118476 | 45.646 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 128494 | 47.235 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.64 | 154 | 431533 | 39.091 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 332872 | 40.084 | ng | | 98 |
| 48) 2-Nitroaniline | 13.89 | 65 | 108564 | 45.939 | ng | | 94 |
| 49) Acenaphthylene | 14.52 | 152 | 534849 | 42.683 | ng | | 99 |
| 50) Dimethylphthalate | 14.25 | 163 | 427412 | 39.887 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 93689 | 46.948 | ng | | 99 |
| 52) Acenaphthene | 14.87 | 154 | 325782 | 40.052 | ng | | 98 |
| 53) 3-Nitroaniline | 14.71 | 138 | 69838 | 34.211 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.91 | 184 | 53683 | 66.231 | ng | | 88 |
| 55) Dibenzofuran | 15.19 | 168 | 531528 | 40.757 | ng | | 100 |
| 56) 4-Nitrophenol | 14.99 | 139 | 163648 | 84.142 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 15.16 | 165 | 134023 | 51.552 | ng | # | 86 |
| 58) Fluorene | 15.84 | 166 | 411813 | 42.359 | ng | | 95 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 126004 | 49.470 | ng | # | 97 |
| 60) Diethylphthalate | 15.60 | 149 | 436673 | 39.414 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.83 | 204 | 217462 | 39.504 | ng | | 96 |
| 62) 4-Nitroaniline | 15.87 | 138 | 105419 | 47.010 | ng | | 90 |
| 63) Azobenzene | 16.12 | 77 | 395989 | 36.568 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 51279 | 42.058 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.05 | 169 | 382587 | 38.547 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.73 | 248 | 143396 | 39.598 | ng | | 95 |
| 68) Hexachlorobenzene | 16.83 | 284 | 147089 | 40.485 | ng | | 95 |
| 69) Atrazine | 16.99 | 200 | 154969 | 42.725 | ng | | 96 |
| 70) Pentachlorophenol | 17.18 | 266 | 171845 | 68.053 | ng | | 98 |
| 71) Phenanthrene | 17.58 | 178 | 712398 | 42.167 | ng | | 99 |
| 72) Anthracene | 17.68 | 178 | 724879 | 43.559 | ng | | 99 |
| 73) Carbazole | 17.94 | 167 | 641142 | 38.605 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.48 | 149 | 782530 | 40.389 | ng | | 99 |
| 75) Fluoranthene | 19.58 | 202 | 882912 | 45.025 | ng | | 100 |
| 77) Benzidine | 19.76 | 184 | 454875 | 39.995 | ng | | 99 |
| 78) Pyrene | 19.95 | 202 | 890119 | 41.218 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.82 | 149 | 368462 | 40.447 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 883775 | 43.115 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.73 | 252 | 190350 | 25.044 | ng | | 99 |
| 83) Chrysene | 21.89 | 228 | 821617 | 42.106 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 514510 | 39.589 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.95 | 149 | 881741 | 41.066 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 968816 | 46.276 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 871993 | 43.831 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.21 | 252 | 841412 | 42.126 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.06 | 252 | 845162 | 44.111 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 29.19 | 278 | 779242 | 43.429 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.34 | 276 | 780568 | 43.645 | ng | | 97 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020819\
Data File : BG039417.D
Acq On : 8 Feb 2019 16:00
Operator : JU/SJ
Sample : PB116935BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 09 00:02:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB116935BS

**Manual Integrations APPROVED**
Sohil
2/11/2019 10:13:43 AM