Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
Data File : BG039539.D
Acq On : 18 Feb 2019 14:50
Operator : JU/SJ
Sample : PB117160BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB117160BS

**Manual Integrations APPROVED**
Sohil
2/19/2019 9:57:12 AM

Quant Time: Feb 18 16:11:50 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 | 47446 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.00 | 136 | 220428 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.80 | 164 | 156541 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 389413 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.83 | 240 | 381870 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 25.21 | 264 | 354958 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 461818 | 166.59 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 667868 | 163.67 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 323093 | 91.57 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 281081 | 166.75 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 811159 | 74.34 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1419962 | 78.71 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 43524 | 35.893 | ng | | 95 |
| 3) Pyridine | 4.00 | 79 | 120867 | 37.647 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 64006 | 39.864 | ng | # | 81 |
| 6) Aniline | 7.49 | 93 | 148202 | 28.995 | ng | | 98 |
| 8) 2-Chlorophenol | 7.73 | 128 | 149819 | 49.441 | ng | | 98 |
| 9) Benzaldehyde | 7.31 | 77 | 57142 | 25.070 | ng | | 97 |
| 10) Phenol | 7.35 | 94 | 206919 | 48.645 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.59 | 93 | 137252 | 40.834 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 146279 | 39.848 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 151252 | 41.338 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 143578 | 40.535 | ng | | 99 |
| 15) Benzyl Alcohol | 8.41 | 79 | 140765 | 43.940 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 261197 | 34.412 | ng | | 99 |
| 17) 2-Methylphenol | 8.60 | 107 | 133177 | 48.381 | ng | | 97 |
| 18) Hexachloroethane | 9.26 | 117 | 52787 | 41.934 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 113166 | 39.074 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 187653 | 49.505 | ng | | 98 |
| 22) Acetophenone | 9.00 | 105 | 219343 | 37.045 | ng | # | 94 |
| 24) Nitrobenzene | 9.39 | 77 | 171027 | 44.867 | ng | | 95 |
| 25) Isophorone | 9.90 | 82 | 322956 | 41.304 | ng | | 98 |
| 26) 2-Nitrophenol | 10.10 | 139 | 82682 | 53.417 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 156838 | 49.585 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 200468 | 41.625 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 173341 | 50.143 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 158664 | 40.881 | ng | | 96 |
| 31) Naphthalene | 11.04 | 128 | 464387 | 42.467 | ng | | 100 |
| 32) Benzoic acid | 10.27 | 122 | 98432 | 47.614 | ng | | 96 |
| 33) 4-Chloroaniline | 11.15 | 127 | 113167 | 22.319 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 99908 | 38.708 | ng | | 96 |
| 35) Caprolactam | 11.93 | 113 | 59928m | 41.893 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 188175 | 47.068 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 353929 | 43.699 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 339114 | 43.435 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 197179 | 39.589 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
Data File : BG039539.D
Acq On : 18 Feb 2019 14:50
Operator : JU/SJ
Sample : PB117160BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB117160BS

**Manual Integrations APPROVED**
Sohil
2/19/2019 9:57:12 AM

Quant Time: Feb 18 16:11:50 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 | 12.96 | 237 | 230708 | 85.005 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 142753 | 46.615 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 157059 | 48.934 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 491047 | 37.701 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 383300 | 39.120 | ng | | 97 |
| 48) 2-Nitroaniline | 13.89 | 65 | 134964 | 47.959 | ng | | 98 |
| 49) Acenaphthylene | 14.52 | 152 | 618575 | 41.839 | ng | | 99 |
| 50) Dimethylphthalate | 14.24 | 163 | 516395 | 40.845 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 115026 | 48.587 | ng | | 98 |
| 52) Acenaphthene | 14.86 | 154 | 376772 | 39.260 | ng | | 97 |
| 53) 3-Nitroaniline | 14.71 | 138 | 85110 | 35.146 | ng | # | 85 |
| 54) 2,4-Dinitrophenol | 14.91 | 184 | 95240 | 87.247 | ng | | 95 |
| 55) Dibenzofuran | 15.19 | 168 | 625267 | 40.636 | ng | | 99 |
| 56) 4-Nitrophenol | 15.00 | 139 | 192531 | 83.918 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 15.15 | 165 | 164170 | 53.223 | ng | # | 90 |
| 58) Fluorene | 15.84 | 166 | 496788 | 43.310 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 154041 | 51.258 | ng | | 96 |
| 60) Diethylphthalate | 15.59 | 149 | 518232 | 39.645 | ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 265663 | 40.903 | ng | | 95 |
| 62) 4-Nitroaniline | 15.87 | 138 | 124468 | 47.040 | ng | | 91 |
| 63) Azobenzene | 16.12 | 77 | 468235 | 36.648 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 82418 | 51.979 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 453164 | 38.272 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 173515 | 40.165 | ng | | 95 |
| 68) Hexachlorobenzene | 16.83 | 284 | 177580 | 40.970 | ng | | 98 |
| 69) Atrazine | 16.98 | 200 | 179164 | 41.405 | ng | | 96 |
| 70) Pentachlorophenol | 17.18 | 266 | 217967 | 72.355 | ng | | 99 |
| 71) Phenanthrene | 17.58 | 178 | 822861 | 40.827 | ng | | 98 |
| 72) Anthracene | 17.67 | 178 | 831969 | 41.907 | ng | | 99 |
| 73) Carbazole | 17.94 | 167 | 732259 | 36.959 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 885072 | 38.292 | ng | | 100 |
| 75) Fluoranthene | 19.58 | 202 | 972687 | 41.579 | ng | | 99 |
| 77) Benzidine | 19.76 | 184 | 280857 | 22.433 | ng | | 99 |
| 78) Pyrene | 19.94 | 202 | 991103 | 41.691 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 413667 | 41.251 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 960413 | 42.563 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 256689 | 30.680 | ng | | 99 |
| 83) Chrysene | 21.88 | 228 | 893221 | 41.584 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 573200 | 40.066 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.94 | 149 | 986720 | 41.747 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 957855 | 41.562 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 927058 | 47.891 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.20 | 252 | 887424 | 45.661 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.05 | 252 | 898555 | 48.198 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 29.18 | 278 | 777377 | 44.525 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.33 | 276 | 760657 | 43.711 | ng | | 100 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
Data File : BG039539.D
Acq On : 18 Feb 2019 14:50
Operator : JU/SJ
Sample : PB117160BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 18 16:11:50 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 :**
PB117160BS

**Manual Integrations APPROVED**
Sohil
2/19/2019 9:57:12 AM