Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\
Data File : BG029362.D
Acq On : 19 Oct 2017 11:57
Operator : SJ/JU
Sample : PB103396BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB103396BS

Quant Time: Oct 19 16:38:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 17:32:15 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 57998 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.98 | 136 | 256484 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.79 | 164 | 177210 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.52 | 188 | 450979 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.79 | 240 | 493381 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.10 | 264 | 511783 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 403414 | 116.20 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 540584 | 110.93 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 299102 | 74.11 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 289249 | 126.42 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.41 | 172 | 840861 | 69.59 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.11 | 244 | 1490024 | 68.70 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 42292 | 30.024 | ng | | 86 |
| 3) Pyridine | 3.98 | 79 | 116675 | 28.443 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 57030 | 29.742 | ng | # | 94 |
| 6) Aniline | 7.48 | 93 | 90689 | 15.029 | ng | | 96 |
| 8) 2-Chlorophenol | 7.73 | 128 | 123570 | 31.052 | ng | | 91 |
| 9) Benzaldehyde | 7.29 | 77 | 33721 | 13.757 | ng | | 91 |
| 10) Phenol | 7.35 | 94 | 168093 | 31.995 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 113231 | 29.581 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 128195 | 28.693 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 128449 | 28.159 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 123085 | 27.976 | ng | | 96 |
| 15) Benzyl Alcohol | 8.40 | 79 | 112216 | 32.676 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 187159 | 28.791 | ng | | 96 |
| 17) 2-Methylphenol | 8.60 | 107 | 109874 | 31.482 | ng | | 96 |
| 18) Hexachloroethane | 9.26 | 117 | 44213 | 28.442 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 94629 | 28.559 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 152901 | 31.093 | ng | | 93 |
| 22) Acetophenone | 8.99 | 105 | 177494 | 28.715 | ng | # | 94 |
| 24) Nitrobenzene | 9.37 | 77 | 133525 | 29.423 | ng | | 93 |
| 25) Isophorone | 9.90 | 82 | 259493 | 30.797 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.09 | 139 | 69206 | 31.908 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 127312 | 32.443 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 163306 | 31.608 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 139861 | 33.422 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 133394 | 29.506 | ng | | 99 |
| 31) Naphthalene | 11.04 | 128 | 374389 | 29.289 | ng | | 98 |
| 32) Benzoic acid | 10.26 | 122 | 101623 | 30.928 | ng | | 87 |
| 33) 4-Chloroaniline | 11.14 | 127 | 72388 | 13.463 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.32 | 225 | 82433 | 29.326 | ng | | 94 |
| 35) Caprolactam | 11.89 | 113 | 53840 | 38.713 | ng | # | 77 |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 151709 | 32.962 | ng | # | 90 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 294879 | 31.652 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 160546 | 24.814 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 207412 | 84.355 | ng | | 91 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\
Data File : BG029362.D
Acq On : 19 Oct 2017 11:57
Operator : SJ/JU
Sample : PB103396BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB103396BS

Quant Time: Oct 19 16:38:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 17:32:15 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.22 | 196 | 121992 | 30.036 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.30 | 196 | 136355 | 32.690 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.62 | 154 | 408811 | 26.839 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.67 | 162 | 309131 | 27.824 | ng | | 98 |
| 47) 2-Nitroaniline | 13.86 | 65 | 102256 | 33.508 | ng | # | 88 |
| 48) Acenaphthylene | 14.51 | 152 | 506887 | 29.151 | ng | | 99 |
| 49) Dimethylphthalate | 14.23 | 163 | 444751 | 32.167 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.35 | 165 | 96837 | 33.410 | ng | # | 82 |
| 51) Acenaphthene | 14.85 | 154 | 313697 | 27.728 | ng | | 99 |
| 52) 3-Nitroaniline | 14.68 | 138 | 55553 | 17.762 | ng | # | 82 |
| 53) 2,4-Dinitrophenol | 14.89 | 184 | 111961 | 70.964 | ng | # | 54 |
| 54) Dibenzofuran | 15.18 | 168 | 520298 | 32.215 | ng | | 99 |
| 55) 4-Nitrophenol | 14.99 | 139 | 180908 | 70.160 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 15.14 | 165 | 142727 | 36.376 | ng | # | 79 |
| 57) Fluorene | 15.83 | 166 | 410975 | 30.803 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 134828 | 38.744 | ng | | 95 |
| 59) Diethylphthalate | 15.58 | 149 | 453822 | 32.935 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.81 | 204 | 225103 | 31.644 | ng | | 97 |
| 61) 4-Nitroaniline | 15.84 | 138 | 112991 | 35.183 | ng | | 83 |
| 62) Azobenzene | 16.11 | 77 | 390950 | 33.646 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 78037 | 32.259 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 16.03 | 169 | 390805 | 28.928 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.71 | 248 | 155347 | 30.019 | ng | | 98 |
| 67) Hexachlorobenzene | 16.83 | 284 | 164267 | 28.024 | ng | | 98 |
| 68) Atrazine | 16.97 | 200 | 158671 | 32.917 | ng | | 99 |
| 69) Pentachlorophenol | 17.17 | 266 | 214644 | 63.744 | ng | | 98 |
| 70) Phenanthrene | 17.56 | 178 | 725820 | 31.154 | ng | | 98 |
| 71) Anthracene | 17.65 | 178 | 738502 | 31.568 | ng | | 99 |
| 72) Carbazole | 17.92 | 167 | 701899 | 31.234 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.47 | 149 | 813884 | 31.489 | ng | | 100 |
| 74) Fluoranthene | 19.56 | 202 | 904121 | 33.179 | ng | | 97 |
| 76) Benzidine | 19.73 | 184 | 292627 | 19.643 | ng | | 96 |
| 77) Pyrene | 19.92 | 202 | 928421 | 31.020 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.80 | 149 | 379546 | 29.766 | ng | | 89 |
| 80) Benzo(a)anthracene | 21.78 | 228 | 910055 | 31.416 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.68 | 252 | 227825 | 19.055 | ng | | 95 |
| 82) Chrysene | 21.84 | 228 | 850626 | 30.663 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 538471 | 29.425 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.91 | 149 | 925732 | 29.026 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 1081555 | 31.690 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 24.05 | 252 | 924584 | 31.556 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 24.12 | 252 | 922092 | 31.589 | ng | | 100 |
| 89) Benzo(a)pyrene | 24.95 | 252 | 902272 | 32.032 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.95 | 278 | 911233 | 31.954 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.07 | 276 | 894441 | 33.757 | ng | | 97 |

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\
Data File : BG029362.D
Acq On : 19 Oct 2017 11:57
Operator : SJ/JU
Sample : PB103396BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB103396BS

Quant Time: Oct 19 16:38:10 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 17:32:15 2017
Response via : Initial Calibration