Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032565.D
Acq On : 6 Feb 2018 13:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
2/7/2018 4:14:23 PM

Quant Time: Feb 07 03:15:12 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.71 | 152 | 17938 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.58 | 136 | 75892 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.34 | 164 | 63017 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.08 | 188 | 163630 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.41 | 240 | 194636 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.07 | 264 | 233489 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.14 | 112 | 68990 | 77.25 | ng | | 0.00 |
| 7) Phenol-d6 | 7.82 | 99 | 92856 | 77.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.91 | 82 | 89198 | 73.41 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.82 | 330 | 106279 | 88.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.97 | 172 | 436027 | 82.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.61 | 244 | 748625 | 82.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.81 | 88 | 13361 | 44.466 | ng | # | 73 |
| 3) Pyridine | 4.26 | 79 | 38011 | 46.849 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 4.17 | 42 | 19656m | 46.539 | ng | | |
| 6) Aniline | 8.01 | 93 | 57252 | 38.531 | ng | | 93 |
| 8) 2-Chlorophenol | 8.26 | 128 | 43700 | 41.395 | ng | # | 81 |
| 9) Benzaldehyde | 7.81 | 77 | 22344m | 36.301 | ng | | |
| 10) Phenol | 7.85 | 94 | 45731 | 40.408 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 8.10 | 93 | 34991 | 40.578 | ng | # | 69 |
| 12) 1,3-Dichlorobenzene | 8.59 | 146 | 59623 | 41.763 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.75 | 146 | 55460 | 38.758 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 9.07 | 146 | 56789 | 40.513 | ng | | 97 |
| 15) Benzyl Alcohol | 8.95 | 79 | 34724 | 35.354 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.23 | 45 | 31519 | 38.573 | ng | | 61 |
| 17) 2-Methylphenol | 9.15 | 107 | 35069 | 38.153 | ng | | 94 |
| 18) Hexachloroethane | 9.83 | 117 | 19809 | 41.232 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 9.52 | 70 | 28703 | 36.325 | ng | # | 87 |
| 20) 3+4-Methylphenols | 9.49 | 107 | 51345 | 39.823 | ng | | 88 |
| 22) Acetophenone | 9.55 | 105 | 66947 | 37.632 | ng | # | 88 |
| 24) Nitrobenzene | 9.95 | 77 | 42890 | 36.505 | ng | # | 86 |
| 25) Isophorone | 10.47 | 82 | 79308 | 38.334 | ng | # | 83 |
| 26) 2-Nitrophenol | 10.68 | 139 | 29199 | 41.112 | ng | # | 78 |
| 27) 2,4-Dimethylphenol | 10.71 | 122 | 37926 | 37.204 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.95 | 93 | 45007 | 39.671 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 11.22 | 162 | 49799 | 36.876 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 11.44 | 180 | 67884 | 37.716 | ng | | 92 |
| 31) Naphthalene | 11.64 | 128 | 153672 | 41.459 | ng | | 99 |
| 32) Benzoic acid | 10.85 | 122 | 30534 | 41.342 | ng | # | 81 |
| 33) 4-Chloroaniline | 11.74 | 127 | 65360 | 39.535 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.91 | 225 | 53704 | 38.350 | ng | | 93 |
| 35) Caprolactam | 12.49 | 113 | 15170 | 39.131 | ng | # | 32 |
| 36) 4-Chloro-3-methylphenol | 12.82 | 107 | 57050 | 44.537 | ng | # | 90 |
| 37) 2-Methylnaphthalene | 13.20 | 142 | 146934 | 47.185 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.56 | 216 | 116173 | 39.406 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 13.53 | 237 | 70555 | 38.303 | ng | | 90 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032565.D
Acq On : 6 Feb 2018 13:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
2/7/2018 4:14:23 PM

Quant Time: Feb 07 03:15:12 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.79 | 196 | 53867 | 33.591 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.87 | 196 | 74545 | 39.877 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 14.18 | 154 | 220778 | 41.468 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.23 | 162 | 171539 | 41.108 | ng | | 98 |
| 47) 2-Nitroaniline | 14.43 | 65 | 30514m | 33.067 | ng | | |
| 48) Acenaphthylene | 15.07 | 152 | 263163 | 41.717 | ng | | 98 |
| 49) Dimethylphthalate | 14.77 | 163 | 215039 | 37.009 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.90 | 165 | 50146 | 41.119 | ng | # | 75 |
| 51) Acenaphthene | 15.41 | 154 | 181038 | 41.380 | ng | | 96 |
| 52) 3-Nitroaniline | 15.24 | 138 | 43402 | 40.744 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 15.44 | 184 | 34500 | 47.099 | ng | # | 58 |
| 54) Dibenzofuran | 15.74 | 168 | 265604 | 41.017 | ng | | 98 |
| 55) 4-Nitrophenol | 15.53 | 139 | 29098 | 36.487 | ng | # | 76 |
| 56) 2,4-Dinitrotoluene | 15.68 | 165 | 70010 | 40.319 | ng | # | 65 |
| 57) Fluorene | 16.38 | 166 | 216769 | 40.285 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.95 | 232 | 67955 | 36.858 | ng | # | 89 |
| 59) Diethylphthalate | 16.12 | 149 | 230981 | 40.816 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.36 | 204 | 130521 | 38.466 | ng | | 96 |
| 61) 4-Nitroaniline | 16.40 | 138 | 47522 | 41.623 | ng | # | 79 |
| 62) Azobenzene | 16.65 | 77 | 138177 | 40.858 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 16.44 | 198 | 46645 | 38.158 | ng | # | 66 |
| 65) n-Nitrosodiphenylamine | 16.57 | 169 | 198364 | 40.621 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 17.25 | 248 | 99385 | 40.998 | ng | | 95 |
| 67) Hexachlorobenzene | 17.38 | 284 | 113132 | 42.171 | ng | # | 89 |
| 68) Atrazine | 17.49 | 200 | 83382 | 39.776 | ng | | 97 |
| 69) Pentachlorophenol | 17.72 | 266 | 64896 | 38.616 | ng | | 95 |
| 70) Phenanthrene | 18.12 | 178 | 365721 | 40.078 | ng | | 98 |
| 71) Anthracene | 18.21 | 178 | 380088 | 41.832 | ng | | 97 |
| 72) Carbazole | 18.47 | 167 | 311304 | 38.777 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.97 | 149 | 384124 | 43.217 | ng | | 99 |
| 74) Fluoranthene | 20.09 | 202 | 461759 | 38.586 | ng | | 95 |
| 76) Benzidine | 20.24 | 184 | 170188 | 44.530 | ng | | 99 |
| 77) Pyrene | 20.44 | 202 | 483744 | 40.522 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.30 | 149 | 166470 | 44.210 | ng | # | 78 |
| 80) Benzo(a)anthracene | 22.38 | 228 | 477474 | 39.571 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 22.28 | 252 | 194197 | 41.539 | ng | # | 96 |
| 82) Chrysene | 22.45 | 228 | 472538 | 40.551 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.22 | 149 | 237499 | 44.483 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 23.58 | 149 | 383881 | 45.331 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 30.32 | 276 | 704912 | 47.819 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 24.90 | 252 | 514142 | 36.443 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.97 | 252 | 517168 | 37.005 | ng | # | 97 |
| 89) Benzo(a)pyrene | 25.90 | 252 | 523160 | 38.897 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 30.40 | 278 | 592254 | 43.045 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 31.66 | 276 | 576451 | 42.210 | ng | # | 91 |

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032565.D
Acq On : 6 Feb 2018 13:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 03:15:12 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
2/7/2018 4:14:23 PM