Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
Data File : BG033042.D
Acq On : 8 Mar 2018 15:59
Operator : SJ/JU
Sample : J1748-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
AU-06-030618-AMS

**Manual Integrations APPROVED**
Sohil
3/9/2018 11:41:23 AM

Quant Time: Mar 08 16:45:46 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.91 | 152 | 56592 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.80 | 136 | 244728 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.53 | 164 | 136645 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.26 | 188 | 307582 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.62 | 240 | 287278 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.41 | 264 | 312927 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.33 | 112 | 481008 | 135.98 | ng | | 0.00 |
| 7) Phenol-d6 | 8.01 | 99 | 581388 | 117.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.11 | 82 | 438197 | 119.68 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.00 | 330 | 244170 | 169.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.16 | 172 | 901816 | 95.18 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.77 | 244 | 1305676 | 102.11 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.98 | 88 | 57781 | 37.638 | ng | # | 89 |
| 3) Pyridine | 4.44 | 79 | 111950 | 26.458 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 4.33 | 42 | 94889 | 55.934 | ng | # | 85 |
| 6) Aniline | 8.21 | 93 | 109061 | 16.341 | ng | | 97 |
| 8) 2-Chlorophenol | 8.46 | 128 | 185193 | 47.831 | ng | | 96 |
| 9) Benzaldehyde | 8.01 | 77 | 57581 | 20.263 | ng | | 89 |
| 10) Phenol | 8.04 | 94 | 200827 | 40.406 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 8.29 | 93 | 176161 | 43.345 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.80 | 146 | 185267 | 40.854 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.95 | 146 | 187707 | 41.121 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 9.29 | 146 | 180778 | 41.328 | ng | | 99 |
| 15) Benzyl Alcohol | 9.15 | 79 | 169058 | 46.640 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.44 | 45 | 349376 | 50.006 | ng | | 99 |
| 17) 2-Methylphenol | 9.34 | 107 | 158026 | 43.117 | ng | | 97 |
| 18) Hexachloroethane | 10.04 | 117 | 69880 | 44.962 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.73 | 70 | 151602 | 43.553 | ng | # | 92 |
| 20) 3+4-Methylphenols | 9.67 | 107 | 215818 | 42.350 | ng | | 95 |
| 22) Acetophenone | 9.76 | 105 | 278268 | 45.023 | ng | # | 98 |
| 24) Nitrobenzene | 10.16 | 77 | 212900 | 53.680 | ng | | 95 |
| 25) Isophorone | 10.68 | 82 | 408498 | 47.556 | ng | | 96 |
| 26) 2-Nitrophenol | 10.88 | 139 | 98045 | 63.683 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.91 | 122 | 195124 | 52.291 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 11.15 | 93 | 243725 | 48.705 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 11.42 | 162 | 173230 | 51.150 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 11.65 | 180 | 171664 | 43.241 | ng | | 98 |
| 31) Naphthalene | 11.85 | 128 | 599047 | 46.845 | ng | | 99 |
| 32) Benzoic acid | 11.03 | 122 | 104296 | 45.826 | ng | # | 83 |
| 33) 4-Chloroaniline | 11.94 | 127 | 74299 | 12.994 | ng | | 94 |
| 34) Hexachlorobutadiene | 12.11 | 225 | 97467 | 43.770 | ng | | 96 |
| 35) Caprolactam | 12.68 | 113 | 47888 | 35.314 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.99 | 107 | 205217 | 52.071 | ng | | 92 |
| 37) 2-Methylnaphthalene | 13.40 | 142 | 421165 | 45.522 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.75 | 216 | 181235 | 44.679 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.73 | 237 | 221819 | 107.301 | ng | | 91 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
Data File : BG033042.D
Acq On : 8 Mar 2018 15:59
Operator : SJ/JU
Sample : J1748-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
AU-06-030618-AMS

**Manual Integrations APPROVED**
Sohil
3/9/2018 11:41:23 AM

Quant Time: Mar 08 16:45:46 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.97 | 196 | 134492 | 52.575 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 14.04 | 196 | 149298 | 50.427 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 14.37 | 154 | 528920 | 44.296 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.43 | 162 | 400401 | 44.890 | ng | | 97 |
| 47) 2-Nitroaniline | 14.61 | 65 | 150026 | 62.863 | ng | | 94 |
| 48) Acenaphthylene | 15.26 | 152 | 651616 | 44.621 | ng | | 98 |
| 49) Dimethylphthalate | 14.95 | 163 | 526159 | 45.349 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.08 | 165 | 116379 | 58.266 | ng | | 93 |
| 51) Acenaphthene | 15.60 | 154 | 456912 | 50.239 | ng | | 98 |
| 52) 3-Nitroaniline | 15.41 | 138 | 72735 | 33.347 | ng | # | 86 |
| 53) 2,4-Dinitrophenol | 15.61 | 184 | 103557 | 135.329 | ng | | 95 |
| 54) Dibenzofuran | 15.92 | 168 | 611903 | 47.252 | ng | | 94 |
| 55) 4-Nitrophenol | 15.68 | 139 | 173956 | 90.534 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 15.86 | 165 | 166635 | 66.820 | ng | # | 86 |
| 57) Fluorene | 16.56 | 166 | 494744 | 46.288 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.13 | 232 | 128849m | 56.054 | ng | | |
| 59) Diethylphthalate | 16.29 | 149 | 569029 | 46.499 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.54 | 204 | 247323 | 47.302 | ng | | 90 |
| 61) 4-Nitroaniline | 16.56 | 138 | 123154 | 48.917 | ng | | 88 |
| 62) Azobenzene | 16.83 | 77 | 524392 | 47.899 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198 | 76197 | 71.281 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 16.75 | 169 | 461193 | 46.091 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.43 | 248 | 149736 | 46.039 | ng | # | 85 |
| 67) Hexachlorobenzene | 17.56 | 284 | 156318 | 44.476 | ng | # | 91 |
| 68) Atrazine | 17.66 | 200 | 163251 | 49.566 | ng | | 96 |
| 69) Pentachlorophenol | 17.89 | 266 | 208783 | 94.308 | ng | | 98 |
| 70) Phenanthrene | 18.30 | 178 | 798780 | 46.549 | ng | | 98 |
| 71) Anthracene | 18.39 | 178 | 816204 | 47.377 | ng | | 99 |
| 72) Carbazole | 18.64 | 167 | 761653 | 44.854 | ng | | 98 |
| 73) Di-n-butylphthalate | 19.14 | 149 | 979703 | 47.029 | ng | | 99 |
| 74) Fluoranthene | 20.25 | 202 | 913224 | 48.177 | ng | | 94 |
| 76) Benzidine | 20.40 | 184 | 57891 | 5.912 | ng | | 98 |
| 77) Pyrene | 20.61 | 202 | 914497 | 45.140 | ng | | 98 |
| 79) Butylbenzylphthalate | 21.46 | 149 | 462505 | 51.492 | ng | | 95 |
| 80) Benzo(a)anthracene | 22.59 | 228 | 871656 | 47.317 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 22.47 | 252 | 150602 | 22.073 | ng | # | 99 |
| 82) Chrysene | 22.67 | 228 | 826294 | 46.956 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.42 | 149 | 653759 | 49.171 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 23.83 | 149 | 1122025 | 55.365 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.84 | 276 | 924960 | 45.070 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 25.19 | 252 | 868588 | 46.945 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 25.27 | 252 | 873552 | 47.506 | ng | # | 96 |
| 89) Benzo(a)pyrene | 26.23 | 252 | 848210 | 48.198 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 30.91 | 278 | 746705 | 42.154 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 32.23 | 276 | 777630 | 44.533 | ng | # | 92 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
Data File : BG033042.D
Acq On : 8 Mar 2018 15:59
Operator : SJ/JU
Sample : J1748-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 08 16:45:46 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
AU-06-030618-AMS

**Manual Integrations APPROVED**
Sohil
3/9/2018 11:41:23 AM