Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040617\
Data File : BG026589.D
Acq On : 7 Apr 2017 6:33
Operator : SJ/MA
Sample : I2569-03MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** RT3456-275030MSD

Quant Time: Apr 07 07:08:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 17:43:27 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 177974 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 731956 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 444351 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.38 | 188 | 1051732 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.63 | 240 | 1201115 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.81 | 264 | 1036785 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 899769 | 89.73 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 1146324 | 85.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 644258 | 52.92 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 553812 | 108.83 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 1822668 | 57.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.98 | 244 | 2729795 | 55.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 111644 | 24.81 | ng | # | 73 |
| 3) Pyridine | 3.92 | 79 | 345052 | 27.99 | ng | # | 60 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 88205 | 26.18 | ng | # | 1 |
| 6) Aniline | 7.38 | 93 | 143640 | 7.99 | ng | # | 85 |
| 8) 2-Chlorophenol | 7.61 | 128 | 360557 | 31.93 | ng | # | 80 |
| 9) Benzaldehyde | 7.18 | 77 | 119893 | 13.19 | ng | # | 59 |
| 10) Phenol | 7.23 | 94 | 403771 | 28.11 | ng | # | 70 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 336377 | 28.55 | ng | # | 79 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 388509 | 28.90 | ng | # | 87 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 391342 | 28.78 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 375454 | 28.85 | ng | # | 89 |
| 15) Benzyl Alcohol | 8.28 | 79 | 203707 | 23.08 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 301797 | 23.07 | ng | | 79 |
| 17) 2-Methylphenol | 8.48 | 107 | 302738 | 29.67 | ng | # | 81 |
| 18) Hexachloroethane | 9.12 | 117 | 123677 | 27.82 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 229677 | 26.54 | ng | # | 71 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 417193 | 29.70 | ng | # | 81 |
| 22) Acetophenone | 8.86 | 105 | 503975 | 29.94 | ng | # | 73 |
| 24) Nitrobenzene | 9.24 | 77 | 336232 | 27.97 | ng | # | 71 |
| 25) Isophorone | 9.76 | 82 | 654057 | 28.51 | ng | # | 89 |
| 26) 2-Nitrophenol | 9.95 | 139 | 204499 | 32.70 | ng | # | 60 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 344862 | 33.59 | ng | | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 438051 | 29.39 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 374530 | 36.07 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 375194 | 32.17 | ng | | 98 |
| 31) Naphthalene | 10.89 | 128 | 1088063 | 29.40 | ng | | 100 |
| 32) Benzoic acid | 10.14 | 122 | 189006 | 23.93 | ng | # | 67 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 217338 | 31.59 | ng | | 95 |
| 35) Caprolactam | 11.75 | 113 | 117200 | 28.65 | ng | # | 47 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 361839 | 32.58 | ng | # | 74 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 853814 | 31.50 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 409839 | 30.65 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 441336 | 62.71 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 301068 | 34.39 | ng | | 94 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040617\
Data File : BG026589.D
Acq On : 7 Apr 2017 6:33
Operator : SJ/MA
Sample : I2569-03MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** RT3456-275030MSD

Quant Time: Apr 07 07:08:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 17:43:27 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 324415 | 33.53 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 1103970 | 30.00 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.53 | 162 | 834222 | 31.04 | ng | | 94 |
| 47) 2-Nitroaniline | 13.73 | 65 | 210365 | 27.52 | ng | # | 53 |
| 48) Acenaphthylene | 14.37 | 152 | 1368424 | 29.21 | ng | | 98 |
| 49) Dimethylphthalate | 14.10 | 163 | 1093807 | 32.61 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 257709 | 32.92 | ng | # | 58 |
| 51) Acenaphthene | 14.71 | 154 | 859562 | 29.79 | ng | | 98 |
| 52) 3-Nitroaniline | 14.56 | 138 | 64062 | 7.43 | ng | # | 63 |
| 53) 2,4-Dinitrophenol | 14.76 | 184 | 312706 | 68.86 | ng | # | 74 |
| 54) Dibenzofuran | 15.04 | 168 | 1357678 | 33.42 | ng | # | 88 |
| 55) 4-Nitrophenol | 14.86 | 139 | 386376 | 54.74 | ng | # | 38 |
| 56) 2,4-Dinitrotoluene | 15.00 | 165 | 364601 | 33.12 | ng | # | 67 |
| 57) Fluorene | 15.69 | 166 | 1115487 | 30.86 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 309753 | 36.71 | ng | # | 93 |
| 59) Diethylphthalate | 15.45 | 149 | 1088961 | 31.77 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 561934 | 32.80 | ng | | 89 |
| 61) 4-Nitroaniline | 15.70 | 138 | 206211 | 22.62 | ng | # | 50 |
| 62) Azobenzene | 15.97 | 77 | 851054 | 30.53 | ng | | 78 |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 230693 | 34.79 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 15.89 | 169 | 838426 | 27.16 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.57 | 248 | 374362 | 34.58 | ng | | 94 |
| 67) Hexachlorobenzene | 16.70 | 284 | 395709 | 34.27 | ng | | 91 |
| 68) Atrazine | 16.84 | 200 | 128093 | 10.96 | ng | | 98 |
| 69) Pentachlorophenol | 17.04 | 266 | 506810 | 67.50 | ng | | 97 |
| 70) Phenanthrene | 17.42 | 178 | 1748596 | 30.96 | ng | | 98 |
| 71) Anthracene | 17.51 | 178 | 1803746 | 31.30 | ng | | 99 |
| 72) Carbazole | 17.78 | 167 | 1352687 | 22.80 | ng | # | 94 |
| 73) Di-n-butylphthalate | 18.33 | 149 | 1883698 | 30.90 | ng | # | 94 |
| 74) Fluoranthene | 19.42 | 202 | 2075743 | 31.25 | ng | | 96 |
| 77) Pyrene | 19.79 | 202 | 2109518 | 30.33 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 878432 | 31.57 | ng | # | 81 |
| 80) Benzo(a)anthracene | 21.61 | 228 | 2078076 | 30.74 | ng | | 100 |
| 82) Chrysene | 21.68 | 228 | 1906842 | 29.53 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149 | 1254151 | 29.84 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.69 | 149 | 2094327 | 29.20 | ng | # | 80 |
| 85) Indeno(1,2,3-cd)pyrene | 28.43 | 276 | 2301474 | 28.86 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 23.80 | 252 | 2132800 | 34.90 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.87 | 252 | 2072368 | 34.96 | ng | # | 94 |
| 89) Benzo(a)pyrene | 24.66 | 252 | 1972370 | 33.65 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 28.49 | 278 | 1962398 | 33.12 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 29.57 | 276 | 1826251 | 30.59 | ng | # | 90 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040617\
Data File : BG026589.D
Acq On : 7 Apr 2017 6:33
Operator : SJ/MA
Sample : I2569-03MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
RT3456-275030MSD

Quant Time: Apr 07 07:08:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 17:43:27 2017
Response via : Initial Calibration