Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034057.D
Acq On : 28 Apr 2018 3:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
4/30/2018 7:43:26 PM

Quant Time: Apr 30 17:28:29 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 63752m | 20.00 | ng | | -0.08 |
| 21) Naphthalene-d8 | 10.54 | 136 | 319267 | 20.00 | ng | | -0.09 |
| 38) Acenaphthene-d10 | 14.39 | 164 | 237699 | 20.00 | ng | | -0.08 |
| 63) Phenanthrene-d10 | 17.15 | 188 | 595656 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 21.40 | 240 | 618557 | 20.00 | ng | | -0.10 |
| 86) Perylene-d12 | 24.39 | 264 | 636772 | 20.00 | ng | | -0.17 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 265434m | 66.47 | ng | | -0.08 |
| 7) Phenol-d6 | 6.95 | 99 | 390405m | 67.03 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 8.91 | 82 | 385829 | 68.77 | ng | | -0.08 |
| 41) 2,4,6-Tribromophenol | 15.89 | 330 | 233160 | 84.08 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 13.01 | 172 | 1216742 | 75.20 | ng | | -0.09 |
| 78) Terphenyl-d14 | 19.78 | 244 | 1989977 | 72.28 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 60066m | 35.598 | ng | | |
| 3) Pyridine | 3.70 | 79 | 124295m | 25.460 | ng | | |
| 4) n-Nitrosodimethylamine | 3.64 | 42 | 44205 | 19.875 | ng | # | 93 |
| 6) Aniline | 7.09 | 93 | 186972 | 24.016 | ng | | 94 |
| 8) 2-Chlorophenol | 7.32 | 128 | 148541 | 33.198 | ng | | 96 |
| 9) Benzaldehyde | 6.97 | 77 | 75411m | 21.342 | ng | | |
| 10) Phenol | 6.98 | 94 | 154637 | 25.917 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.19 | 93 | 142099 | 31.139 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 7.64 | 146 | 195831 | 38.020 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.79 | 146 | 175701 | 33.679 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.10 | 146 | 193647 | 38.170 | ng | | 96 |
| 15) Benzyl Alcohol | 8.01 | 79 | 129806 | 25.559 | ng | # | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.28 | 45 | 271345 | 30.487 | ng | | 80 |
| 17) 2-Methylphenol | 8.22 | 107 | 144932m | 32.779 | ng | | |
| 18) Hexachloroethane | 8.81 | 117 | 76838 | 40.307 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.55 | 70 | 154412 | 31.102 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.55 | 107 | 207378m | 32.279 | ng | | |
| 22) Acetophenone | 8.58 | 105 | 269762 | 31.044 | ng | # | 99 |
| 24) Nitrobenzene | 8.96 | 77 | 214702m | 35.120 | ng | | |
| 25) Isophorone | 9.46 | 82 | 429038 | 34.015 | ng | # | 92 |
| 26) 2-Nitrophenol | 9.66 | 139 | 93061 | 38.526 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 9.73 | 122 | 122482 | 27.109 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 9.97 | 93 | 191655 | 28.751 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 10.20 | 162 | 166097 | 32.978 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.40 | 180 | 233207 | 41.340 | ng | | 99 |
| 31) Naphthalene | 10.58 | 128 | 607658 | 37.011 | ng | | 98 |
| 32) Benzoic acid | 9.90 | 122 | 95201m | 23.986 | ng | | |
| 33) 4-Chloroaniline | 10.73 | 127 | 183278 | 23.750 | ng | | 93 |
| 34) Hexachlorobutadiene | 10.87 | 225 | 149064 | 44.171 | ng | | 97 |
| 35) Caprolactam | 11.49 | 113 | 64287 | 30.022 | ng | # | 74 |
| 36) 4-Chloro-3-methylphenol | 11.85 | 107 | 183615 | 29.869 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.20 | 142 | 468433 | 37.266 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 301480 | 38.196 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.55 | 237 | 169988 | 39.168 | ng | | 91 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034057.D
Acq On : 28 Apr 2018 3:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
4/30/2018 7:43:26 PM

Quant Time: Apr 30 17:28:29 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.82 | 196 | 155440 | 32.300 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 12.91 | 196 | 198925 | 35.955 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.22 | 154 | 698746 | 36.314 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.26 | 162 | 528540 | 36.227 | ng | | 99 |
| 47) 2-Nitroaniline | 13.49 | 65 | 132910 | 29.176 | ng | # | 87 |
| 48) Acenaphthylene | 14.11 | 152 | 873764 | 36.029 | ng | | 99 |
| 49) Dimethylphthalate | 13.86 | 163 | 748872 | 35.816 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 13.97 | 165 | 156747 | 39.558 | ng | # | 83 |
| 51) Acenaphthene | 14.46 | 154 | 520196 | 34.145 | ng | | 98 |
| 52) 3-Nitroaniline | 14.34 | 138 | 129289 | 30.048 | ng | # | 85 |
| 53) 2,4-Dinitrophenol | 14.54 | 184 | 9419 | 6.647 | ng | | 93 |
| 54) Dibenzofuran | 14.80 | 168 | 811613 | 35.934 | ng | | 96 |
| 55) 4-Nitrophenol | 14.70 | 139 | 37141 | 11.006 | ng | | 84 |
| 56) 2,4-Dinitrotoluene | 14.77 | 165 | 208424 | 39.555 | ng | # | 80 |
| 57) Fluorene | 15.44 | 166 | 718015 | 36.736 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.03 | 232 | 199746 | 39.431 | ng | # | 90 |
| 59) Diethylphthalate | 15.23 | 149 | 768803 | 34.786 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204 | 392720 | 38.415 | ng | | 96 |
| 61) 4-Nitroaniline | 15.51 | 138 | 108235 | 23.692 | ng | | 91 |
| 62) Azobenzene | 15.74 | 77 | 588293 | 29.861 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.53 | 198 | 103837 | 37.797 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 15.67 | 169 | 613953 | 35.453 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 16.34 | 248 | 235962 | 36.071 | ng | | 99 |
| 67) Hexachlorobenzene | 16.45 | 284 | 270387 | 38.758 | ng | # | 70 |
| 68) Atrazine | 16.62 | 200 | 237539 | 35.013 | ng | | 98 |
| 69) Pentachlorophenol | 16.79 | 266 | 156332 | 32.624 | ng | # | 26 |
| 70) Phenanthrene | 17.19 | 178 | 1093913 | 34.233 | ng | | 99 |
| 71) Anthracene | 17.28 | 178 | 1184222 | 37.058 | ng | | 99 |
| 72) Carbazole | 17.56 | 167 | 1042912 | 33.829 | ng | | 100 |
| 73) Di-n-butylphthalate | 18.12 | 149 | 1304091 | 34.003 | ng | | 99 |
| 74) Fluoranthene | 19.20 | 202 | 1400156 | 36.223 | ng | | 97 |
| 76) Benzidine | 19.44 | 184 | 87358 | 5.230 | ng | | 99 |
| 77) Pyrene | 19.57 | 202 | 1443549 | 35.581 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.48 | 149 | 602354 | 33.808 | ng | | 87 |
| 80) Benzo(a)anthracene | 21.37 | 228 | 1314785 | 33.708 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.31 | 252 | 481579 | 33.113 | ng | | 99 |
| 82) Chrysene | 21.44 | 228 | 1409818 | 37.851 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 852418 | 33.877 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.45 | 149 | 1358077 | 34.004 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 27.78 | 276 | 1549919 | 36.556 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.44 | 252 | 1283061 | 33.029 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 23.50 | 252 | 1457850 | 37.780 | ng | | 97 |
| 89) Benzo(a)pyrene | 24.25 | 252 | 1317769 | 35.420 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 27.85 | 278 | 1258239 | 34.952 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 28.83 | 276 | 1263935 | 35.681 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034057.D
Acq On : 28 Apr 2018 3:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 17:28:29 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
4/30/2018 7:43:26 PM