Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038778.D
Acq On : 21 Dec 2018 1:28
Operator : JU/SJ
Sample : PB115875BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB115875BSD

**Manual Integrations APPROVED**
Sohil
12/21/2018 2:43:43 PM

Quant Time: Dec 21 04:23:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 27165 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 106707 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 69913 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 172531 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 173996 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 188883 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 128317 | 83.78 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 172908 | 82.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 152984 | 73.24 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 84996 | 88.21 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 398813 | 78.26 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 629230 | 78.70 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 18582 | 26.068 | ng | # | 87 |
| 3) Pyridine | 3.89 | 79 | 54672 | 27.858 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 34414 | 35.788 | ng | # | 87 |
| 6) Aniline | 7.38 | 93 | 30699 | 11.438 | ng | | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 69590 | 39.263 | ng | | 99 |
| 9) Benzaldehyde | 7.20 | 77 | 53990 | 39.583 | ng | | 98 |
| 10) Phenol | 7.24 | 94 | 86844 | 38.878 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 56865 | 31.975 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 72769 | 34.724 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 74510 | 34.716 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 70400 | 34.793 | ng | | 97 |
| 15) Benzyl Alcohol | 8.30 | 79 | 61339 | 37.376 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 121879 | 29.917 | ng | | 98 |
| 17) 2-Methylphenol | 8.50 | 107 | 58794 | 39.285 | ng | | 99 |
| 18) Hexachloroethane | 9.14 | 117 | 25791 | 32.885 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 46877 | 31.744 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 80931 | 39.156 | ng | | 96 |
| 22) Acetophenone | 8.89 | 105 | 99053 | 37.164 | ng | # | 97 |
| 24) Nitrobenzene | 9.28 | 77 | 76291 | 36.105 | ng | | 98 |
| 25) Isophorone | 9.79 | 82 | 134931 | 35.954 | ng | | 99 |
| 26) 2-Nitrophenol | 9.99 | 139 | 38097 | 35.227 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 67929 | 43.827 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 77163 | 36.435 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 75679 | 43.890 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 78909 | 37.886 | ng | | 98 |
| 31) Naphthalene | 10.93 | 128 | 210651 | 40.066 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 28941m | 33.336 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 16842 | 7.378 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 52145 | 37.000 | ng | | 94 |
| 35) Caprolactam | 11.83 | 113 | 23314 | 32.672 | ng | # | 88 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 77035 | 39.150 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 159391 | 42.495 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 152314 | 41.848 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 97708 | 37.388 | ng | | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038778.D
Acq On : 21 Dec 2018 1:28
Operator : JU/SJ
Sample : PB115875BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115875BSD

Manual Integrations APPROVED
Sohil
12/21/2018 2:43:43 PM

Quant Time: Dec 21 04:23:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 106677 | 74.301 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 64641m | 40.229 | ng | | |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 70241 | 41.287 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 212605 | 36.275 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 169838 | 37.514 | ng | | 97 |
| 48) 2-Nitroaniline | 13.79 | 65 | 52237 | 36.224 | ng | | 97 |
| 49) Acenaphthylene | 14.42 | 152 | 273715 | 40.442 | ng | | 98 |
| 50) Dimethylphthalate | 14.15 | 163 | 216972 | 38.003 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.27 | 165 | 49220 | 38.042 | ng | | 93 |
| 52) Acenaphthene | 14.76 | 154 | 158127 | 39.072 | ng | | 100 |
| 53) 3-Nitroaniline | 14.61 | 138 | 17765 | 13.469 | ng | # | 84 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 34406 | 46.979 | ng | | 97 |
| 55) Dibenzofuran | 15.09 | 168 | 266661 | 38.438 | ng | | 97 |
| 56) 4-Nitrophenol | 14.92 | 139 | 72706 | 72.666 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 68246 | 37.450 | ng | | 97 |
| 58) Fluorene | 15.74 | 166 | 214904 | 41.812 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 66366 | 43.359 | ng | | 95 |
| 60) Diethylphthalate | 15.50 | 149 | 220253 | 35.142 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 121886 | 38.008 | ng | | 98 |
| 62) 4-Nitroaniline | 15.78 | 138 | 50702 | 37.340 | ng | | 97 |
| 63) Azobenzene | 16.02 | 77 | 185160 | 35.364 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 35424 | 28.782 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 196474 | 38.757 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 81645 | 38.748 | ng | | 97 |
| 68) Hexachlorobenzene | 16.74 | 284 | 85138 | 38.978 | ng | | 97 |
| 69) Atrazine | 16.89 | 200 | 78000 | 41.461 | ng | | 98 |
| 70) Pentachlorophenol | 17.09 | 266 | 79268 | 61.355 | ng | | 97 |
| 71) Phenanthrene | 17.49 | 178 | 369861 | 41.340 | ng | | 98 |
| 72) Anthracene | 17.58 | 178 | 374807 | 42.435 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 328634 | 37.622 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 377927 | 37.706 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 454914 | 41.095 | ng | | 97 |
| 77) Benzidine | 19.68 | 184 | 165040 | 32.073 | ng | | 98 |
| 78) Pyrene | 19.86 | 202 | 453308 | 39.436 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 169350 | 37.710 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 443483 | 41.828 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 69514 | 16.531 | ng | | 99 |
| 83) Chrysene | 21.77 | 228 | 414586 | 40.597 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 238558 | 37.455 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 406300 | 38.090 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 494598 | 41.195 | ng | # | 81 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 432442 | 41.699 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 433819 | 42.009 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.87 | 252 | 421887 | 42.169 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.87 | 278 | 414717 | 41.632 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.00 | 276 | 405617 | 41.317 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038778.D
Acq On : 21 Dec 2018 1:28
Operator : JU/SJ
Sample : PB115875BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 21 04:23:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB115875BSD

**Manual Integrations APPROVED**
Sohil
12/21/2018 2:43:43 PM