Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082818\
Data File : BG036462.D
Acq On : 28 Aug 2018 17:40
Operator : JU/SJ
Sample : PB112432BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB112432BS

**Manual Integrations APPROVED**
Sohil
8/29/2018 3:13:05 PM

Quant Time: Aug 28 18:58:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 63530 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 283183 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.69 | 164 | 173741 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.43 | 188 | 426807 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.70 | 240 | 442225 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.91 | 264 | 452701 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 430082 | 107.39 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 585928 | 102.18 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 328343 | 62.91 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 233014 | 112.40 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.32 | 172 | 798701 | 65.64 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.04 | 244 | 1329732 | 70.28 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 64116 | 34.304 | ng | | 92 |
| 3) Pyridine | 3.93 | 79 | 174263 | 33.216 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 80027 | 34.247 | ng | # | 87 |
| 6) Aniline | 7.38 | 93 | 205078 | 28.176 | ng | | 97 |
| 8) 2-Chlorophenol | 7.63 | 128 | 173722 | 39.999 | ng | | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 111703 | 28.289 | ng | | 97 |
| 10) Phenol | 7.25 | 94 | 239669 | 39.941 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 165495 | 34.788 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 172536 | 34.791 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.10 | 146 | 175457 | 35.043 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 168519 | 35.242 | ng | | 97 |
| 15) Benzyl Alcohol | 8.30 | 79 | 169410 | 36.649 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 301090 | 31.384 | ng | | 98 |
| 17) 2-Methylphenol | 8.50 | 107 | 159884 | 40.127 | ng | | 97 |
| 18) Hexachloroethane | 9.15 | 117 | 63206 | 35.209 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 138658 | 32.356 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 220649 | 39.665 | ng | | 96 |
| 22) Acetophenone | 8.88 | 105 | 258501 | 34.762 | ng | # | 97 |
| 24) Nitrobenzene | 9.27 | 77 | 201945 | 35.881 | ng | | 96 |
| 25) Isophorone | 9.79 | 82 | 377523 | 36.411 | ng | | 97 |
| 26) 2-Nitrophenol | 9.98 | 139 | 89099 | 39.950 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 176178 | 42.668 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 228102 | 35.846 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 187108 | 41.348 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 187246 | 35.371 | ng | | 98 |
| 31) Naphthalene | 10.92 | 128 | 528632 | 37.343 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 115564 | 38.707 | ng | | 99 |
| 33) 4-Chloroaniline | 11.03 | 127 | 145345 | 22.406 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.21 | 225 | 125477 | 35.278 | ng | | 100 |
| 35) Caprolactam | 11.79 | 113 | 66799m | 37.055 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 199481 | 37.938 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 408809 | 39.468 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 232017 | 37.736 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.87 | 237 | 277895 | 86.868 | ng | | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082818\
Data File : BG036462.D
Acq On : 28 Aug 2018 17:40
Operator : JU/SJ
Sample : PB112432BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB112432BS

**Manual Integrations APPROVED**
Sohil
8/29/2018 3:13:05 PM

Quant Time: Aug 28 18:58:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.12 | 196 | 155888 | 41.622 ng | 95 |
| 43) 2,4,5-Trichlorophenol | 13.19 | 196 | 175482 | 43.927 ng | 97 |
| 45) 1,1'-Biphenyl | 13.52 | 154 | 524579 | 36.374 ng | 98 |
| 46) 2-Chloronaphthalene | 13.57 | 162 | 402238 | 36.534 ng | 98 |
| 47) 2-Nitroaniline | 13.76 | 65 | 136228 | 39.403 ng | 96 |
| 48) Acenaphthylene | 14.41 | 152 | 673040 | 39.115 ng | 99 |
| 49) Dimethylphthalate | 14.14 | 163 | 529198 | 37.302 ng | 99 |
| 50) 2,6-Dinitrotoluene | 14.26 | 165 | 116685 | 39.970 ng | 96 |
| 51) Acenaphthene | 14.75 | 154 | 432985 | 39.291 ng | 99 |
| 52) 3-Nitroaniline | 14.59 | 138 | 96970 | 30.824 ng | 96 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 81625 | 73.818 ng | 89 |
| 54) Dibenzofuran | 15.09 | 168 | 639582 | 37.046 ng | 99 |
| 55) 4-Nitrophenol | 14.89 | 139 | 198100 | 77.016 ng | 98 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 161086 | 42.339 ng | 87 |
| 57) Fluorene | 15.74 | 166 | 507176 | 39.297 ng | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 167333 | 44.583 ng | 96 |
| 59) Diethylphthalate | 15.50 | 149 | 520400 | 36.398 ng | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.73 | 204 | 290155 | 36.408 ng | 100 |
| 61) 4-Nitroaniline | 15.75 | 138 | 129167 | 39.237 ng | 95 |
| 62) Azobenzene | 16.02 | 77 | 514448 | 35.364 ng | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 72778 | 38.817 ng | 98 |
| 65) n-Nitrosodiphenylamine | 15.94 | 169 | 466203 | 36.761 ng | 97 |
| 66) 4-Bromophenyl-phenylether | 16.62 | 248 | 191880 | 38.399 ng | 97 |
| 67) Hexachlorobenzene | 16.74 | 284 | 193945 | 37.957 ng | 95 |
| 68) Atrazine | 16.89 | 200 | 195484 | 41.067 ng | 98 |
| 69) Pentachlorophenol | 17.08 | 266 | 242439 | 69.813 ng | 98 |
| 70) Phenanthrene | 17.48 | 178 | 859225 | 39.619 ng | 99 |
| 71) Anthracene | 17.56 | 178 | 878221 | 40.624 ng | 98 |
| 72) Carbazole | 17.83 | 167 | 787887 | 36.493 ng | 99 |
| 73) Di-n-butylphthalate | 18.39 | 149 | 894356 | 37.200 ng | 99 |
| 74) Fluoranthene | 19.48 | 202 | 1070650 | 40.491 ng | 100 |
| 76) Benzidine | 19.66 | 184 | 532571 | 37.747 ng | 100 |
| 77) Pyrene | 19.84 | 202 | 1046790 | 38.493 ng | 99 |
| 79) Butylbenzylphthalate | 20.73 | 149 | 421460 | 38.943 ng | 97 |
| 80) Benzo(a)anthracene | 21.68 | 228 | 1078847 | 40.269 ng | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.60 | 252 | 263117 | 24.643 ng | 99 |
| 82) Chrysene | 21.75 | 228 | 990122 | 38.990 ng | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 576785 | 38.085 ng | 98 |
| 84) Di-n-octyl phthalate | 22.81 | 149 | 990133 | 39.142 ng | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 28.57 | 276 | 1229548 | 41.687 ng | 100 |
| 87) Benzo(b)fluoranthene | 23.90 | 252 | 1073541 | 42.705 ng | 98 |
| 88) Benzo(k)fluoranthene | 23.96 | 252 | 1025117 | 41.741 ng | 98 |
| 89) Benzo(a)pyrene | 24.76 | 252 | 1037554 | 42.951 ng | 99 |
| 90) Dibenzo(a,h)anthracene | 28.65 | 278 | 989390 | 42.426 ng | 98 |
| 91) Benzo(g,h,i)perylene | 29.72 | 276 | 1015168 | 43.318 ng | 97 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082818\
Data File : BG036462.D
Acq On : 28 Aug 2018 17:40
Operator : JU/SJ
Sample : PB112432BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 18:58:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB112432BS

**Manual Integrations APPROVED**
Sohil
8/29/2018 3:13:05 PM