Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091718\
Data File : BG036756.D
Acq On : 17 Sep 2018 16:04
Operator : JU/SJ
Sample : PB112846BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB112846BS

**Manual Integrations APPROVED**
Sohil
9/18/2018 6:18:12 PM

Quant Time: Sep 17 18:24:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 61298 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.86 | 136 | 249585 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 159430 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 404592 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 21.68 | 240 | 394892 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 24.89 | 264 | 411555 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 431973 | 111.79 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 590635 | 106.76 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 363216 | 78.96 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 244343 | 128.44 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 823892 | 73.79 | ng | -0.01 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1350466 | 79.93 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 61532 | 34.120 | ng | 99 |
| 3) Pyridine | 3.92 | 79 | 177499 | 35.065 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 92522 | 41.036 | ng | 100 |
| 6) Aniline | 7.37 | 93 | 145831 | 20.766 | ng | 97 |
| 8) 2-Chlorophenol | 7.62 | 128 | 173849 | 41.486 | ng | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 91892 | 24.119 | ng | 93 |
| 10) Phenol | 7.24 | 94 | 241893 | 41.779 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 172950 | 37.679 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 185338 | 38.733 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 188654 | 39.050 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 178029 | 38.587 | ng | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 175431 | 39.334 | ng | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 328046 | 35.439 | ng | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 160848 | 41.839 | ng | 96 |
| 18) Hexachloroethane | 9.13 | 117 | 69726 | 40.255 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 144600 | 34.971 | ng | 94 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 220592 | 41.099 | ng | 98 |
| 22) Acetophenone | 8.87 | 105 | 265845 | 40.562 | ng | 99 |
| 24) Nitrobenzene | 9.26 | 77 | 215988 | 43.542 | ng | 97 |
| 25) Isophorone | 9.78 | 82 | 399813 | 43.752 | ng | 97 |
| 26) 2-Nitrophenol | 9.96 | 139 | 97345 | 49.523 | ng | 96 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 173647 | 47.716 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 234328 | 41.782 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 186473 | 46.755 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 191054 | 40.949 | ng | 98 |
| 31) Naphthalene | 10.91 | 128 | 543389 | 43.553 | ng | 99 |
| 32) Benzoic acid | 10.15 | 122 | 73864 | 29.301 | ng | 95 |
| 33) 4-Chloroaniline | 11.01 | 127 | 86715 | 15.167 | ng | 97 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 130188 | 41.530 | ng | 99 |
| 35) Caprolactam | 11.78 | 113 | 71360m | 44.914 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 206883 | 44.642 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 419054 | 45.903 | ng | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 238389 | 42.252 | ng | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 316543 | 107.831 | ng | 98 |

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Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
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**ClientSampleId :**
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 159716 | 46.472 ng | 99 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 171334 | 46.739 ng | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 536442 | 40.535 ng | 98 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 411923 | 40.772 ng | 99 |
| 47) 2-Nitroaniline | 13.75 | 65 | 149221 | 47.035 ng | 98 |
| 48) Acenaphthylene | 14.40 | 152 | 701863 | 44.451 ng | 100 |
| 49) Dimethylphthalate | 14.13 | 163 | 566000 | 43.477 ng | 98 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 125087 | 46.695 ng | 95 |
| 51) Acenaphthene | 14.74 | 154 | 414135 | 40.954 ng | 99 |
| 52) 3-Nitroaniline | 14.58 | 138 | 59627 | 20.655 ng | 94 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 106831 | 105.286 ng | 98 |
| 54) Dibenzofuran | 15.07 | 168 | 666866 | 42.094 ng | 99 |
| 55) 4-Nitrophenol | 14.88 | 139 | 209394 | 88.714 ng | 98 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 175851 | 50.368 ng | 90 |
| 57) Fluorene | 15.72 | 166 | 534008 | 45.090 ng | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 175683 | 51.009 ng | 97 |
| 59) Diethylphthalate | 15.49 | 149 | 554971 | 42.300 ng | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204 | 300826 | 41.135 ng | 98 |
| 61) 4-Nitroaniline | 15.74 | 138 | 137718 | 45.590 ng | 94 |
| 62) Azobenzene | 16.00 | 77 | 548405 | 41.082 ng | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 94611 | 53.233 ng | 98 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 491536 | 40.887 ng | 99 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 201072 | 42.448 ng | 99 |
| 67) Hexachlorobenzene | 16.73 | 284 | 203307 | 41.974 ng | 98 |
| 68) Atrazine | 16.87 | 200 | 214480 | 47.532 ng | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 244270 | 74.202 ng | 98 |
| 70) Phenanthrene | 17.46 | 178 | 908883 | 44.210 ng | 99 |
| 71) Anthracene | 17.55 | 178 | 918928 | 44.841 ng | 99 |
| 72) Carbazole | 17.82 | 167 | 820797 | 40.105 ng | 99 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 941926 | 41.330 ng | 99 |
| 74) Fluoranthene | 19.46 | 202 | 1110995 | 44.324 ng | 99 |
| 76) Benzidine | 19.65 | 184 | 307302 | 24.391 ng | 97 |
| 77) Pyrene | 19.83 | 202 | 1088941 | 44.843 ng | 98 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 423349 | 43.806 ng | 98 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1076414 | 44.994 ng | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 196143 | 20.572 ng | 98 |
| 82) Chrysene | 21.73 | 228 | 993440 | 43.810 ng | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 581034 | 42.965 ng | 100 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 969038 | 42.900 ng | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 1192829 | 45.290 ng | 100 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 1054564 | 46.144 ng | 98 |
| 88) Benzo(k)fluoranthene | 23.94 | 252 | 1018183 | 45.603 ng | 99 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 1018620 | 46.383 ng | 100 |
| 90) Dibenzo(a,h)anthracene | 28.60 | 278 | 966328 | 45.580 ng | 96 |
| 91) Benzo(g,h,i)perylene | 29.68 | 276 | 989865 | 46.461 ng | 98 |

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

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