Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080218\
Data File : BG036053.D
Acq On : 2 Aug 2018 10:04
Operator : JU/SJ
Sample : PB111656BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB111656BS

**Manual Integrations APPROVED**
Sohil
8/3/2018 12:58:25 PM

Quant Time: Aug 02 11:06:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 29525 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 104851 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 82512 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 242223 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.65 | 240 | 265885 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.84 | 264 | 261012 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 234281 | 131.74 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 339352 | 127.90 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 223321 | 88.98 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 179303 | 164.87 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 545148 | 88.52 | ng | -0.01 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1110233 | 92.04 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 26752 | 29.556 | ng | # 74 |
| 3) Pyridine | 3.91 | 79 | 76192 | 32.245 | ng | # 68 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 33961 | 33.473 | ng | # 79 |
| 6) Aniline | 7.34 | 93 | 97960 | 28.485 | ng | 95 |
| 8) 2-Chlorophenol | 7.59 | 128 | 77405 | 42.796 | ng | 94 |
| 9) Benzaldehyde | 7.16 | 77 | 43921 | 26.978 | ng | 93 |
| 10) Phenol | 7.22 | 94 | 112963 | 42.141 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 75351 | 35.893 | ng | 87 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 85237 | 39.025 | ng | 90 |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 86347 | 38.909 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.37 | 146 | 84031 | 39.416 | ng | 95 |
| 15) Benzyl Alcohol | 8.26 | 79 | 88669 | 36.801 | ng | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 84080 | 47.772 | ng | 79 |
| 17) 2-Methylphenol | 8.47 | 107 | 74992 | 41.147 | ng | # 92 |
| 18) Hexachloroethane | 9.10 | 117 | 33635 | 39.640 | ng | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 72257 | 32.340 | ng | 88 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 104140 | 41.188 | ng | 93 |
| 22) Acetophenone | 8.84 | 105 | 130320 | 39.969 | ng | # 93 |
| 24) Nitrobenzene | 9.22 | 77 | 109512 | 43.385 | ng | 95 |
| 25) Isophorone | 9.74 | 82 | 212752 | 45.662 | ng | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 44333 | 49.453 | ng | # 85 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 81050 | 53.411 | ng | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 107590 | 41.907 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 88976 | 51.365 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 96440 | 45.403 | ng | 98 |
| 31) Naphthalene | 10.87 | 128 | 239586 | 43.866 | ng | 98 |
| 32) Benzoic acid | 10.17 | 122 | 25904 | 25.357 | ng | 91 |
| 33) 4-Chloroaniline | 10.99 | 127 | 62246 | 26.148 | ng | 98 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 76171 | 45.988 | ng | 98 |
| 35) Caprolactam | 11.77 | 113 | 34012m | 45.754 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 118782 | 51.157 | ng | 90 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 192357 | 47.273 | ng | # 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 133440 | 42.848 | ng | 99 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 164762 | 100.879 | ng | 90 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 87446 | 48.014 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 101022 | 49.583 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 276033 | 43.150 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 217856 | 43.782 | ng | | 99 |
| 47) 2-Nitroaniline | 13.73 | 65 | 76966 | 43.752 | ng | | 94 |
| 48) Acenaphthylene | 14.37 | 152 | 368939 | 44.262 | ng | | 97 |
| 49) Dimethylphthalate | 14.10 | 163 | 319556 | 44.203 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 73122 | 49.670 | ng | | 94 |
| 51) Acenaphthene | 14.71 | 154 | 217836 | 41.953 | ng | | 97 |
| 52) 3-Nitroaniline | 14.56 | 138 | 47934 | 31.857 | ng | # | 95 |
| 53) 2,4-Dinitrophenol | 14.76 | 184 | 61131 | 80.689 | ng | # | 61 |
| 54) Dibenzofuran | 15.04 | 168 | 373566 | 45.238 | ng | | 95 |
| 55) 4-Nitrophenol | 14.87 | 139 | 90456 | 84.416 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 111066 | 52.588 | ng | # | 87 |
| 57) Fluorene | 15.69 | 166 | 310746 | 44.898 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 105436 | 53.974 | ng | | 91 |
| 59) Diethylphthalate | 15.46 | 149 | 331522 | 44.598 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 183058 | 45.000 | ng | | 95 |
| 61) 4-Nitroaniline | 15.72 | 138 | 70112 | 44.546 | ng | # | 85 |
| 62) Azobenzene | 15.97 | 77 | 324811 | 44.298 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 61675 | 45.740 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 280768 | 40.723 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 124776 | 44.401 | ng | | 98 |
| 67) Hexachlorobenzene | 16.70 | 284 | 133820 | 46.241 | ng | | 95 |
| 68) Atrazine | 16.85 | 200 | 129546 | 45.636 | ng | | 96 |
| 69) Pentachlorophenol | 17.04 | 266 | 121190 | 68.752 | ng | | 98 |
| 70) Phenanthrene | 17.43 | 178 | 529756 | 43.830 | ng | | 98 |
| 71) Anthracene | 17.52 | 178 | 544891 | 45.276 | ng | | 98 |
| 72) Carbazole | 17.79 | 167 | 486374 | 42.555 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.34 | 149 | 559385 | 41.417 | ng | # | 98 |
| 74) Fluoranthene | 19.44 | 202 | 696278 | 42.768 | ng | | 96 |
| 76) Benzidine | 19.62 | 184 | 254284 | 36.377 | ng | | 98 |
| 77) Pyrene | 19.80 | 202 | 696323 | 41.418 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 257635 | 42.853 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.63 | 228 | 697078 | 42.071 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 181088 | 31.344 | ng | # | 98 |
| 82) Chrysene | 21.70 | 228 | 671015 | 43.702 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 361064 | 44.175 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 622251 | 45.468 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 28.48 | 276 | 753889 | 44.348 | ng | # | 53 |
| 87) Benzo(b)fluoranthene | 23.83 | 252 | 686401 | 43.267 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.90 | 252 | 658198 | 42.438 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 659290 | 44.671 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 28.55 | 278 | 638364 | 44.057 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.63 | 276 | 631630 | 44.548 | ng | # | 94 |

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

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