Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG091217\
Data File : BG028681.D
Acq On : 12 Sep 2017 22:29
Operator : SJ/JU
Sample : I5123-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EP-13MSD

**Manual Integrations APPROVED**
Sohil
9/13/2017 6:00:13 PM

Quant Time: Sep 13 05:05:49 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.33 | 152 | 28290 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.15 | 136 | 118702 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.94 | 164 | 91470 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.69 | 188 | 251031 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.03 | 240 | 284634 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.53 | 264 | 273796 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.90 | 112 | 208298 | 121.49 | ng | | 0.00 |
| 7) Phenol-d6 | 7.49 | 99 | 318251 | 123.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.50 | 82 | 208306 | 83.95 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.44 | 330 | 187606 | 124.01 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.56 | 172 | 520370 | 75.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.28 | 244 | 976051 | 73.13 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.84 | 88 | 22441 | 32.322 | ng | | 97 |
| 3) Pyridine | 4.23 | 79 | 59595 | 30.090 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 4.15 | 42 | 36260 | 40.247 | ng | # | 80 |
| 6) Aniline | 7.66 | 93 | 87391 | 29.089 | ng | | 96 |
| 8) 2-Chlorophenol | 7.89 | 128 | 77892 | 40.754 | ng | | 91 |
| 9) Benzaldehyde | 7.48 | 77 | 10667 | 6.661 | ng | # | 86 |
| 10) Phenol | 7.51 | 94 | 128760 | 47.264 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.74 | 93 | 75253 | 38.475 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.22 | 146 | 81148 | 39.429 | ng | | 92 |
| 13) 1,4-Dichlorobenzene | 8.36 | 146 | 82524 | 38.995 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.69 | 146 | 81002 | 38.743 | ng | | 97 |
| 15) Benzyl Alcohol | 8.57 | 79 | 87942 | 43.641 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.85 | 45 | 136153 | 38.302 | ng | | 98 |
| 17) 2-Methylphenol | 8.77 | 107 | 75896 | 42.633 | ng | | 93 |
| 18) Hexachloroethane | 9.42 | 117 | 30508 | 39.333 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 9.12 | 70 | 72599 | 39.674 | ng | | 89 |
| 20) 3+4-Methylphenols | 9.10 | 107 | 105427 | 42.340 | ng | | 97 |
| 22) Acetophenone | 9.15 | 105 | 129999 | 37.456 | ng | # | 90 |
| 24) Nitrobenzene | 9.54 | 77 | 107789 | 39.229 | ng | | 95 |
| 25) Isophorone | 10.06 | 82 | 201728 | 40.179 | ng | | 99 |
| 26) 2-Nitrophenol | 10.26 | 139 | 45245 | 38.690 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 10.30 | 122 | 90848 | 42.500 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93 | 108442 | 39.773 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.80 | 162 | 92013 | 43.263 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 11.01 | 180 | 93815 | 38.666 | ng | | 94 |
| 31) Naphthalene | 11.20 | 128 | 248765 | 40.126 | ng | | 98 |
| 32) Benzoic acid | 10.41 | 122 | 4620 | 8.743 | ng | # | 50 |
| 33) 4-Chloroaniline | 11.32 | 127 | 62037 | 23.887 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.47 | 225 | 65741 | 36.787 | ng | | 97 |
| 35) Caprolactam | 12.08 | 113 | 35671 | 46.771 | ng | # | 73 |
| 36) 4-Chloro-3-methylphenol | 12.42 | 107 | 117532 | 42.463 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.78 | 142 | 200517 | 43.321 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.15 | 216 | 127381 | 33.869 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.12 | 237 | 119794 | 81.802 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.39 | 196 | 89443 | 37.470 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.47 | 196 | 102881 | 42.892 | ng | | 91 |
| 45) 1,1'-Biphenyl | 13.78 | 154 | 275450 | 36.371 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.83 | 162 | 212397 | 38.451 | ng | | 99 |
| 47) 2-Nitroaniline | 14.03 | 65 | 87826 | 42.781 | ng | | 93 |
| 48) Acenaphthylene | 14.67 | 152 | 355941 | 40.333 | ng | | 97 |
| 49) Dimethylphthalate | 14.39 | 163 | 380886 | 49.658 | ng | | 96 |
| 50) 2,6-Dinitrotoluene | 14.52 | 165 | 73286 | 42.940 | ng | # | 81 |
| 51) Acenaphthene | 15.01 | 154 | 215353 | 40.171 | ng | | 95 |
| 52) 3-Nitroaniline | 14.85 | 138 | 48037 | 31.828 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 15.06 | 184 | 14371 | 22.383 | ng | | 96 |
| 54) Dibenzofuran | 15.34 | 168 | 376526 | 44.042 | ng | | 94 |
| 55) 4-Nitrophenol | 15.16 | 139 | 86350 | 78.089 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 15.30 | 165 | 108788 | 45.332 | ng | # | 88 |
| 57) Fluorene | 15.99 | 166 | 319473 | 41.857 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.57 | 232 | 97174 | 45.968 | ng | # | 94 |
| 59) Diethylphthalate | 15.74 | 149 | 345291 | 43.806 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.97 | 204 | 177672 | 40.881 | ng | | 93 |
| 61) 4-Nitroaniline | 16.02 | 138 | 66791 | 41.772 | ng | # | 86 |
| 62) Azobenzene | 16.27 | 77 | 306069 | 46.169 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198 | 33974 | 20.974 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.19 | 169 | 276462 | 38.418 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.87 | 248 | 128992 | 39.935 | ng | | 94 |
| 67) Hexachlorobenzene | 17.00 | 284 | 134081 | 36.472 | ng | # | 88 |
| 68) Atrazine | 17.13 | 200 | 102592 | 33.203 | ng | | 98 |
| 69) Pentachlorophenol | 17.35 | 266 | 133761 | 80.529 | ng | | 94 |
| 70) Phenanthrene | 17.74 | 178 | 540775 | 42.125 | ng | | 95 |
| 71) Anthracene | 17.83 | 178 | 549791 | 42.397 | ng | | 96 |
| 72) Carbazole | 18.10 | 167 | 471695 | 40.388 | ng | # | 94 |
| 73) Di-n-butylphthalate | 18.62 | 149 | 576599 | 40.264 | ng | # | 93 |
| 74) Fluoranthene | 19.74 | 202 | 656035 | 41.854 | ng | | 93 |
| 76) Benzidine | 19.91 | 184 | 16243 | 2.201 | ng | # | 92 |
| 77) Pyrene | 20.10 | 202 | 676830 | 41.225 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.96 | 149 | 261549 | 39.446 | ng | | 97 |
| 80) Benzo(a)anthracene | 22.01 | 228 | 708217 | 41.336 | ng | | 93 |
| 81) 3,3'-Dichlorobenzidine | 21.91 | 252 | 122502 | 17.635 | ng | # | 96 |
| 82) Chrysene | 22.08 | 228 | 667886 | 41.085 | ng | | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 21.86 | 149 | 368842 | 39.128 | ng | | 100 |
| 84) Di-n-octyl phthalate | 23.16 | 149 | 647981 | 39.344 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 29.57 | 276 | 851790 | 40.781 | ng | # | 99 |
| 87) Benzo(b)fluoranthene | 24.41 | 252 | 718799 | 43.819 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.49 | 252 | 716584m | 43.733 | ng | | |
| 89) Benzo(a)pyrene | 25.36 | 252 | 641433 | 41.196 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 29.62 | 278 | 713257 | 43.939 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.83 | 276 | 684190 | 43.196 | ng | | 99 |

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

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