Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042919\
Data File : BG040657.D
Acq On : 29 Apr 2019 12:17
Operator : JU/SJ
Sample : PB119139BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB119139BSD

**Manual Integrations APPROVED**
Sohil
4/30/2019 6:44:37 PM

Quant Time: Apr 30 05:37:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 30 05:31:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 66398 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.98 | 136 | 302032 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.78 | 164 | 216337 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.53 | 188 | 582036 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.82 | 240 | 656861 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.19 | 264 | 487731 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 599080 | 159.05 | ng | | 0.00 |
| 7) Phenol-d6 | 7.30 | 99 | 855752 | 147.55 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.34 | 82 | 531888 | 81.37 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.27 | 330 | 436490 | 146.79 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.41 | 172 | 1088807 | 72.69 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.12 | 244 | 2135885 | 72.04 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 73567 | 42.946 | ng | | 97 |
| 3) Pyridine | 3.95 | 79 | 129827 | 26.147 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 107380 | 38.990 | ng | # | 99 |
| 6) Aniline | 7.47 | 93 | 229100 | 29.803 | ng | | 97 |
| 8) 2-Chlorophenol | 7.71 | 128 | 214687 | 46.678 | ng | | 94 |
| 9) Benzaldehyde | 7.29 | 77 | 11180 | 3.109 | ng | # | 75 |
| 10) Phenol | 7.33 | 94 | 306451 | 49.155 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 204399 | 43.722 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 206198 | 41.075 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 208891 | 41.048 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 206136 | 42.002 | ng | | 97 |
| 15) Benzyl Alcohol | 8.39 | 79 | 269047 | 44.584 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 392768 | 42.198 | ng | | 99 |
| 17) 2-Methylphenol | 8.58 | 107 | 209976 | 47.592 | ng | | 95 |
| 18) Hexachloroethane | 9.24 | 117 | 83218 | 39.864 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 210680 | 40.355 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 289539 | 47.109 | ng | | 98 |
| 22) Acetophenone | 8.98 | 105 | 360489 | 42.922 | ng | | 98 |
| 24) Nitrobenzene | 9.38 | 77 | 314071 | 45.033 | ng | | 97 |
| 25) Isophorone | 9.89 | 82 | 578772 | 39.750 | ng | | 99 |
| 26) 2-Nitrophenol | 10.09 | 139 | 120722 | 48.290 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 235713 | 50.252 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93 | 295056 | 40.390 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.62 | 162 | 244879 | 45.921 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 251631 | 42.552 | ng | | 98 |
| 31) Naphthalene | 11.03 | 128 | 666951 | 41.565 | ng | | 99 |
| 32) Benzoic acid | 10.28 | 122 | 173141 | 53.920 | ng | # | 86 |
| 33) 4-Chloroaniline | 11.13 | 127 | 179039 | 25.166 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 181632 | 41.604 | ng | | 99 |
| 35) Caprolactam | 11.93 | 113 | 87862m | 41.733 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 296898 | 44.134 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 507892 | 42.334 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.84 | 142 | 482403 | 41.137 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 336498 | 41.754 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.95 | 237 | 294626 | 61.955 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.21 | 196 | 235825 | 48.422 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.29 | 196 | 246896 | 46.537 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.62 | 154 | 676955 | 40.303 | ng | | 94 |
| 47) 2-Chloronaphthalene | 13.67 | 162 | 543971 | 41.383 | ng | | 99 |
| 48) 2-Nitroaniline | 13.87 | 65 | 238477 | 50.967 | ng | | 96 |
| 49) Acenaphthylene | 14.51 | 152 | 863322 | 38.711 | ng | | 98 |
| 50) Dimethylphthalate | 14.24 | 163 | 748057 | 41.328 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.36 | 165 | 166796 | 47.215 | ng | | 96 |
| 52) Acenaphthene | 14.85 | 154 | 520671 | 40.089 | ng | | 95 |
| 53) 3-Nitroaniline | 14.69 | 138 | 137001 | 37.850 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.89 | 184 | 213192 | 104.635 | ng | # | 77 |
| 55) Dibenzofuran | 15.18 | 168 | 877546 | 41.252 | ng | | 97 |
| 56) 4-Nitrophenol | 14.99 | 139 | 306585 | 97.682 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.15 | 165 | 247726 | 51.606 | ng | | 94 |
| 58) Fluorene | 15.83 | 166 | 709431 | 41.260 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 264363 | 49.507 | ng | | 100 |
| 60) Diethylphthalate | 15.59 | 149 | 797658 | 41.768 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 427462 | 42.745 | ng | | 99 |
| 62) 4-Nitroaniline | 15.86 | 138 | 188234 | 46.489 | ng | | 94 |
| 63) Azobenzene | 16.11 | 77 | 808375 | 41.102 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 145136 | 50.222 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 16.03 | 169 | 667989 | 39.009 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.71 | 248 | 295368 | 40.733 | ng | | 95 |
| 68) Hexachlorobenzene | 16.82 | 284 | 304033 | 40.549 | ng | | 98 |
| 69) Atrazine | 16.97 | 200 | 261898 | 38.602 | ng | | 97 |
| 70) Pentachlorophenol | 17.17 | 266 | 419437 | 95.597 | ng | | 99 |
| 71) Phenanthrene | 17.57 | 178 | 1258738 | 40.151 | ng | | 96 |
| 72) Anthracene | 17.66 | 178 | 1287906 | 40.870 | ng | | 98 |
| 73) Carbazole | 17.93 | 167 | 1188532 | 41.398 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 1426311 | 41.161 | ng | | 98 |
| 75) Fluoranthene | 19.57 | 202 | 1625242 | 41.601 | ng | | 98 |
| 77) Benzidine | 19.75 | 184 | 339287 | 18.865 | ng | | 100 |
| 78) Pyrene | 19.93 | 202 | 1587010 | 38.548 | ng | | 95 |
| 80) Butylbenzylphthalate | 20.80 | 149 | 673898 | 41.998 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.80 | 228 | 1622608 | 39.086 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.71 | 252 | 513757 | 34.721 | ng | | 98 |
| 83) Chrysene | 21.87 | 228 | 1581542 | 40.058 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 935140 | 40.373 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.94 | 149 | 1580411 | 40.515 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 29.08 | 276 | 1979753 | 41.474 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 24.11 | 252 | 1690178 | 56.709 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.18 | 252 | 1585848 | 56.974 | ng | | 97 |
| 90) Benzo(a)pyrene | 25.03 | 252 | 1614092 | 57.212 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.15 | 278 | 1624276 | 56.892 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.30 | 276 | 1624681 | 57.179 | ng | | 98 |

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

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