Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
Data File : BG022637.D
Acq On : 27 Jun 2016 11:02
Operator : UM/SJ
Sample : PB91309BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB91309BSD

**Manual Integrations**
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Quant Time: Jun 27 15:40:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 136295 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.99 | 136 | 578748 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 424461 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 1146626 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.85 | 240 | 1331992 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.21 | 264 | 1298215 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 1036004 | 121.92 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 1541007 | 128.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 1068724 | 78.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 876815 | 131.34 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2021971 | 75.55 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 3270374 | 65.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 100546 | 29.19 | ng | # | 91 |
| 3) Pyridine | 3.99 | 79 | 305445 | 31.71 | ng | # | 90 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 172481 | 31.30 | ng | | 96 |
| 6) Aniline | 7.48 | 93 | 448176 | 28.22 | ng | | 97 |
| 8) 2-Chlorophenol | 7.72 | 128 | 364757 | 41.44 | ng | | 98 |
| 9) Benzaldehyde | 7.35 | 77 | 12710m | 3.02 | ng | | |
| 10) Phenol | 7.34 | 94 | 541505 | 42.78 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 388048 | 37.24 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.05 | 146 | 381273 | 35.60 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 393266 | 36.62 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 378967 | 37.11 | ng | | 95 |
| 15) Benzyl Alcohol | 8.40 | 79 | 474333 | 42.80 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 424201 | 36.81 | ng | | 96 |
| 17) 2-Methylphenol | 8.60 | 107 | 349326 | 41.86 | ng | | 93 |
| 18) Hexachloroethane | 9.26 | 117 | 161167 | 36.26 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 371877 | 37.28 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 494012 | 42.98 | ng | | 89 |
| 22) Acetophenone | 8.99 | 105 | 627414 | 37.50 | ng | # | 94 |
| 24) Nitrobenzene | 9.37 | 77 | 560389 | 37.08 | ng | | 97 |
| 25) Isophorone | 9.90 | 82 | 967075 | 36.43 | ng | | 97 |
| 26) 2-Nitrophenol | 10.09 | 139 | 217875 | 40.02 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 389032 | 37.40 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 539816 | 37.25 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 425563 | 42.00 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 446198 | 37.08 | ng | | 96 |
| 31) Naphthalene | 11.04 | 128 | 1072599 | 36.87 | ng | | 98 |
| 32) Benzoic acid | 10.27 | 122 | 298539 | 44.34 | ng | | 95 |
| 33) 4-Chloroaniline | 11.14 | 127 | 206259 | 16.46 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.32 | 225 | 341784 | 36.55 | ng | | 97 |
| 35) Caprolactam | 11.92 | 113 | 159373m | 49.93 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 531673 | 42.74 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 859490 | 38.10 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 569585 | 35.54 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 12.98 | 237 | 737839 | 57.68 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.23 | 196 | 407642 | 39.67 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.30 | 196 | 448377 | 41.70 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.63 | 154 | 1179851 | 36.49 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 963590 | 36.22 | ng | | 98 |
| 47) 2-Nitroaniline | 13.87 | 65 | 414834 | 40.39 | ng | | 97 |
| 48) Acenaphthylene | 14.52 | 152 | 1448329 | 37.53 | ng | | 99 |
| 49) Dimethylphthalate | 14.25 | 163 | 1324028 | 37.60 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.37 | 165 | 313869 | 41.02 | ng | | 87 |
| 51) Acenaphthene | 14.86 | 154 | 1263399m | 44.44 | ng | | |
| 52) 3-Nitroaniline | 14.70 | 138 | 231624 | 32.35 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 14.90 | 184 | 422530 | 89.66 | ng | | 92 |
| 54) Dibenzofuran | 15.20 | 168 | 1533005 | 37.23 | ng | | 99 |
| 55) 4-Nitrophenol | 15.00 | 139 | 545674 | 90.13 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 472571 | 44.59 | ng | | 89 |
| 57) Fluorene | 15.85 | 166 | 1266669 | 38.55 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 469406 | 42.11 | ng | | 98 |
| 59) Diethylphthalate | 15.61 | 149 | 1395419 | 38.55 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 752004 | 38.44 | ng | | 95 |
| 61) 4-Nitroaniline | 15.87 | 138 | 318899 | 43.17 | ng | | 90 |
| 62) Azobenzene | 16.13 | 77 | 1416819 | 36.14 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 319314 | 41.52 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 1213694 | 36.37 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.74 | 248 | 537271 | 36.12 | ng | | 93 |
| 67) Hexachlorobenzene | 16.85 | 284 | 582646 | 37.04 | ng | | 96 |
| 68) Atrazine | 17.00 | 200 | 383110 | 27.19 | ng | | 95 |
| 69) Pentachlorophenol | 17.20 | 266 | 843012 | 77.88 | ng | | 98 |
| 70) Phenanthrene | 17.60 | 178 | 2158772 | 36.92 | ng | | 96 |
| 71) Anthracene | 17.69 | 178 | 2168729 | 36.04 | ng | | 97 |
| 72) Carbazole | 17.96 | 167 | 1984857 | 38.91 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 2301429 | 38.74 | ng | | 99 |
| 74) Fluoranthene | 19.60 | 202 | 2610431 | 38.75 | ng | | 94 |
| 76) Benzidine | 19.78 | 184 | 1234976 | 87.09 | ng | | 99 |
| 77) Pyrene | 19.97 | 202 | 2622665 | 36.97 | ng | | 94 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 1170148 | 38.10 | ng | # | 95 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 2811382 | 38.14 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.74 | 252 | 719720 | 23.64 | ng | | 95 |
| 82) Chrysene | 21.90 | 228 | 2622846 | 37.87 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149 | 1562778 | 36.14 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 2579247 | 36.19 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.07 | 276 | 3440738 | 37.80 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.14 | 252 | 3085530 | 39.53 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 24.22 | 252 | 2907389 | 39.40 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.06 | 252 | 2970523 | 39.03 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 29.13 | 278 | 2858712 | 39.90 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 30.28 | 276 | 2830086 | 38.81 | ng | | 98 |

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

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