Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023359.D
Acq On : 30 Jul 2016 16:07
Operator : UM/SJ
Sample : PB92558BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB92558BS

**Manual Integrations APPROVED**
sohil
8/1/2016 7:12:30 PM

Quant Time: Aug 01 02:00:20 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:30:33 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 151231 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.97 | 136 | 732046 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 527167 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.57 | 188 | 1166856 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 1050367 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.30 | 264 | 1078730 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 1336407 | 150.86 | ng | | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 2000601 | 147.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 1314527 | 87.81 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 915693 | 167.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2626492 | 93.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.17 | 244 | 2924063 | 90.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 124226 | 32.70 | ng | # | 90 |
| 3) Pyridine | 3.93 | 79 | 432572 | 32.53 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 201353 | 33.51 | ng | # | 67 |
| 6) Aniline | 7.46 | 93 | 648603 | 35.70 | ng | | 94 |
| 8) 2-Chlorophenol | 7.70 | 128 | 519980 | 52.61 | ng | | 96 |
| 9) Benzaldehyde | 7.26 | 77 | 256538 | 26.26 | ng | | 95 |
| 10) Phenol | 7.32 | 94 | 764636 | 53.28 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 7.55 | 93 | 516733 | 42.36 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 488061m | 43.82 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.17 | 146 | 497414 | 43.77 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 486861 | 44.42 | ng | | 94 |
| 15) Benzyl Alcohol | 8.38 | 79 | 563204 | 61.53 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 748122 | 38.54 | ng | | 89 |
| 17) 2-Methylphenol | 8.58 | 107 | 518085 | 52.82 | ng | # | 88 |
| 18) Hexachloroethane | 9.23 | 117 | 193316 | 40.83 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 521873 | 42.66 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 734094 | 55.04 | ng | | 92 |
| 22) Acetophenone | 8.97 | 105 | 753335 | 39.42 | ng | # | 93 |
| 24) Nitrobenzene | 9.36 | 77 | 721453 | 41.50 | ng | # | 86 |
| 25) Isophorone | 9.88 | 82 | 1404603 | 45.43 | ng | # | 93 |
| 26) 2-Nitrophenol | 10.08 | 139 | 316663 | 48.23 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 586063 | 52.96 | ng | | 85 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 807322 | 46.54 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.62 | 162 | 614070 | 57.31 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 537516 | 45.40 | ng | | 99 |
| 31) Naphthalene | 11.02 | 128 | 1566387 | 46.05 | ng | | 98 |
| 32) Benzoic acid | 10.25 | 122 | 205433 | 27.06 | ng | # | 90 |
| 33) 4-Chloroaniline | 11.14 | 127 | 175690 | 11.18 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 336454 | 43.36 | ng | | 97 |
| 35) Caprolactam | 11.92 | 113 | 219324m | 48.14 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 740993 | 52.64 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 1228442 | 48.71 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 591523 | 34.66 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 813100 | 100.54 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 523729 | 52.25 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.32 | 196 | 570214 | 53.62 | ng | | 91 |
| 45) 1,1'-Biphenyl | 13.64 | 154 | 1520224 | 41.35 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 1329219 | 45.12 | ng | | 94 |
| 47) 2-Nitroaniline | 13.89 | 65 | 572537 | 45.94 | ng | # | 86 |
| 48) Acenaphthylene | 14.53 | 152 | 2095905 | 46.47 | ng | | 95 |
| 49) Dimethylphthalate | 14.25 | 163 | 1798194 | 46.22 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 430931 | 47.30 | ng | # | 82 |
| 51) Acenaphthene | 14.87 | 154 | 1340399 | 45.81 | ng | | 98 |
| 52) 3-Nitroaniline | 14.72 | 138 | 211683 | 23.07 | ng | # | 82 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 443231 | 83.09 | ng | | 91 |
| 54) Dibenzofuran | 15.20 | 168 | 2067546 | 49.94 | ng | | 98 |
| 55) 4-Nitrophenol | 15.03 | 139 | 603687 | 75.85 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 15.17 | 165 | 598913 | 46.69 | ng | # | 86 |
| 57) Fluorene | 15.86 | 166 | 1706583 | 46.68 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 509780 | 56.62 | ng | | 94 |
| 59) Diethylphthalate | 15.62 | 149 | 1771922 | 44.47 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 902062 | 45.58 | ng | | 99 |
| 61) 4-Nitroaniline | 15.89 | 138 | 427094 | 44.39 | ng | # | 65 |
| 62) Azobenzene | 16.14 | 77 | 1974548 | 47.79 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.94 | 198 | 348561 | 46.51 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 16.06 | 169 | 1585305 | 50.89 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.74 | 248 | 631117 | 53.49 | ng | | 97 |
| 67) Hexachlorobenzene | 16.87 | 284 | 646361 | 54.49 | ng | | 95 |
| 68) Atrazine | 17.01 | 200 | 487510 | 40.80 | ng | | 97 |
| 69) Pentachlorophenol | 17.22 | 266 | 660536 | 90.22 | ng | | 98 |
| 70) Phenanthrene | 17.61 | 178 | 2502029 | 49.02 | ng | | 94 |
| 71) Anthracene | 17.71 | 178 | 2546776 | 49.39 | ng | | 92 |
| 72) Carbazole | 17.98 | 167 | 2179799 | 46.15 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.52 | 149 | 2269047 | 43.06 | ng | | 96 |
| 74) Fluoranthene | 19.62 | 202 | 2511537 | 43.12 | ng | | 94 |
| 76) Benzidine | 19.80 | 184 | 929558 | 31.47 | ng | | 98 |
| 77) Pyrene | 19.99 | 202 | 2491043 | 41.79 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.86 | 149 | 1204853 | 45.95 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 2536294 | 46.12 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.78 | 252 | 710029 | 31.84 | ng | # | 96 |
| 82) Chrysene | 21.94 | 228 | 2357371 | 44.37 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 1669025 | 45.49 | ng | | 98 |
| 84) Di-n-octyl phthalate | 23.02 | 149 | 2762625 | 46.03 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 29.19 | 276 | 3241235 | 52.30 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.21 | 252 | 2719745 | 47.46 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.27 | 252 | 2653536 | 46.32 | ng | # | 94 |
| 89) Benzo(a)pyrene | 25.13 | 252 | 2656981 | 47.31 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 29.26 | 278 | 2697190 | 50.77 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 30.40 | 276 | 2700594 | 48.29 | ng | # | 92 |

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

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