Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023303.D
Acq On : 28 Jul 2016 4:20
Operator : UM/SJ
Sample : PB92411BS
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB92411BS

**Manual Integrations APPROVED**
sohil
7/28/2016 4:58:36 PM

Quant Time: Jul 28 05:35:22 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 | 8.13 | 152 | 180078 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.97 | 136 | 797792 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.81 | 164 | 554584 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.57 | 188 | 1232544 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.90 | 240 | 1194033 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.30 | 264 | 1233131 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 1403528 | 133.06 | ng | | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 2071606 | 127.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 1333201 | 81.72 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 888222 | 154.74 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2628971 | 88.72 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.18 | 244 | 3184756 | 86.70 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 141633 | 31.31 | ng | # | 92 |
| 3) Pyridine | 3.94 | 79 | 451275 | 28.50 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 218253 | 30.51 | ng | # | 75 |
| 6) Aniline | 7.46 | 93 | 804458 | 37.19 | ng | | 95 |
| 8) 2-Chlorophenol | 7.70 | 128 | 536323 | 45.57 | ng | | 95 |
| 9) Benzaldehyde | 7.26 | 77 | 106231 | 9.13 | ng | | 96 |
| 10) Phenol | 7.32 | 94 | 774696 | 45.33 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.55 | 93 | 548948 | 37.80 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.02 | 146 | 525068 | 39.59 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.17 | 146 | 534958 | 39.54 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.49 | 146 | 523446 | 40.10 | ng | | 95 |
| 15) Benzyl Alcohol | 8.37 | 79 | 551267 | 50.58 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 784439 | 33.94 | ng | | 90 |
| 17) 2-Methylphenol | 8.59 | 107 | 529013 | 45.29 | ng | # | 85 |
| 18) Hexachloroethane | 9.23 | 117 | 204121 | 36.21 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 532259 | 36.54 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 731009 | 46.03 | ng | | 91 |
| 22) Acetophenone | 8.97 | 105 | 860665 | 41.32 | ng | # | 91 |
| 24) Nitrobenzene | 9.36 | 77 | 732115 | 38.65 | ng | # | 89 |
| 25) Isophorone | 9.88 | 82 | 1375709 | 40.83 | ng | # | 92 |
| 26) 2-Nitrophenol | 10.07 | 139 | 314014 | 43.88 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 584124 | 48.43 | ng | | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93 | 817357 | 43.23 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.62 | 162 | 591634 | 50.67 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 551478 | 42.74 | ng | | 98 |
| 31) Naphthalene | 11.02 | 128 | 1612487 | 43.50 | ng | | 99 |
| 32) Benzoic acid | 10.27 | 122 | 366401 | 39.12 | ng | | 91 |
| 33) 4-Chloroaniline | 11.14 | 127 | 360014 | 21.02 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 347938 | 41.14 | ng | | 97 |
| 35) Caprolactam | 11.92 | 113 | 239927m | 48.32 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 700136 | 45.64 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 1258588 | 45.79 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 639310 | 35.61 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 819173 | 96.28 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 498265 | 47.25 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.32 | 196 | 542417 | 48.48 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.64 | 154 | 1668109 | 43.13 | ng | | 92 |
| 46) 2-Chloronaphthalene | 13.69 | 162 | 1319971 | 42.59 | ng | | 95 |
| 47) 2-Nitroaniline | 13.89 | 65 | 562509 | 42.90 | ng | | 91 |
| 48) Acenaphthylene | 14.53 | 152 | 2071612 | 43.66 | ng | | 94 |
| 49) Dimethylphthalate | 14.26 | 163 | 1726862 | 42.19 | ng | | 96 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 418125 | 43.63 | ng | # | 79 |
| 51) Acenaphthene | 14.87 | 154 | 1341376 | 43.58 | ng | | 99 |
| 52) 3-Nitroaniline | 14.72 | 138 | 377866 | 39.15 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 525327 | 93.62 | ng | # | 85 |
| 54) Dibenzofuran | 15.21 | 168 | 2049226 | 47.05 | ng | | 97 |
| 55) 4-Nitrophenol | 15.04 | 139 | 730435 | 87.24 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 15.17 | 165 | 599037 | 44.39 | ng | | 95 |
| 57) Fluorene | 15.86 | 166 | 1692471 | 44.01 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.44 | 232 | 492493 | 52.00 | ng | | 92 |
| 59) Diethylphthalate | 15.62 | 149 | 1777033 | 42.39 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204 | 879339 | 42.24 | ng | | 98 |
| 61) 4-Nitroaniline | 15.89 | 138 | 458880 | 45.34 | ng | # | 65 |
| 62) Azobenzene | 16.14 | 77 | 1968890 | 45.30 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.94 | 198 | 374557 | 47.31 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 16.06 | 169 | 1560071 | 47.41 | ng | # | 92 |
| 66) 4-Bromophenyl-phenylether | 16.75 | 248 | 600418 | 48.18 | ng | | 95 |
| 67) Hexachlorobenzene | 16.87 | 284 | 614262 | 49.02 | ng | | 96 |
| 68) Atrazine | 17.02 | 200 | 602457 | 47.73 | ng | | 96 |
| 69) Pentachlorophenol | 17.22 | 266 | 748692 | 96.81 | ng | | 97 |
| 70) Phenanthrene | 17.62 | 178 | 2551537m | 47.33 | ng | | |
| 71) Anthracene | 17.71 | 178 | 2625271 | 48.19 | ng | | 93 |
| 72) Carbazole | 17.98 | 167 | 2421637 | 48.54 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.52 | 149 | 2650024 | 47.61 | ng | | 97 |
| 74) Fluoranthene | 19.62 | 202 | 2798021 | 45.48 | ng | | 88 |
| 76) Benzidine | 19.81 | 184 | 1783183 | 53.10 | ng | | 99 |
| 77) Pyrene | 19.99 | 202 | 2806478 | 41.42 | ng | | 93 |
| 79) Butylbenzylphthalate | 20.86 | 149 | 1372394 | 46.04 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 2798002 | 44.76 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.79 | 252 | 836242 | 32.99 | ng | # | 97 |
| 82) Chrysene | 21.94 | 228 | 2615805 | 43.31 | ng | | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 1862463 | 44.65 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 23.03 | 149 | 3049955 | 44.70 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.21 | 276 | 3615316 | 51.32 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.22 | 252 | 3012990 | 45.99 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.28 | 252 | 2884357 | 44.04 | ng | # | 92 |
| 89) Benzo(a)pyrene | 25.13 | 252 | 2952366 | 45.99 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 29.27 | 278 | 2972819 | 48.96 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 30.42 | 276 | 2992285 | 46.81 | ng | # | 87 |

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

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