Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020417\
Data File : BG025801.D
Acq On : 3 Feb 2017 19:16
Operator : SJ/MA
Sample : PB96126BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB96126BSD

**Manual Integrations APPROVED**
mohammad
2/6/2017 3:19:33 PM

Quant Time: Feb 03 22:19:26 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 18:29:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 78917 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.99 | 136 | 351143 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 285744 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.54 | 188 | 651196 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.83 | 240 | 790829 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.21 | 264 | 780894 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 659459 | 149.76 | ng | | 0.00 |
| 7) Phenol-d6 | 7.33 | 99 | 966707 | 150.32 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 686027 | 82.55 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 496734 | 121.90 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.41 | 172 | 1399357 | 79.54 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.12 | 244 | 2419523 | 73.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 68431 | 34.28 | ng | | 99 |
| 3) Pyridine | 3.94 | 79 | 199378 | 36.81 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.87 | 42 | 139765 | 44.85 | ng | | 93 |
| 6) Aniline | 7.49 | 93 | 218434 | 24.11 | ng | | 93 |
| 8) 2-Chlorophenol | 7.73 | 128 | 239083 | 47.83 | ng | | 99 |
| 9) Benzaldehyde | 7.31 | 77 | 125738 | 23.05 | ng | | 92 |
| 10) Phenol | 7.36 | 94 | 355996 | 49.25 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 246122 | 43.06 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.05 | 146 | 250071 | 40.91 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 250617 | 40.33 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 243454 | 40.89 | ng | | 97 |
| 15) Benzyl Alcohol | 8.41 | 79 | 266792 | 47.97 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 484591 | 41.99 | ng | | 95 |
| 17) 2-Methylphenol | 8.61 | 107 | 231079 | 46.80 | ng | | 94 |
| 18) Hexachloroethane | 9.24 | 117 | 100428 | 39.68 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 239328 | 42.17 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.95 | 107 | 314473 | 46.67 | ng | | 97 |
| 22) Acetophenone | 9.00 | 105 | 409775 | 42.62 | ng | # | 99 |
| 24) Nitrobenzene | 9.40 | 77 | 363480 | 40.06 | ng | | 99 |
| 25) Isophorone | 9.90 | 82 | 642346 | 39.67 | ng | | 96 |
| 26) 2-Nitrophenol | 10.11 | 139 | 144855 | 45.05 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.15 | 122 | 264265 | 47.19 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 364481 | 42.52 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.66 | 162 | 265468 | 46.19 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 275532 | 41.22 | ng | | 98 |
| 31) Naphthalene | 11.04 | 128 | 739247 | 40.55 | ng | | 99 |
| 32) Benzoic acid | 10.33 | 122 | 150248 | 42.54 | ng | | 93 |
| 33) 4-Chloroaniline | 11.18 | 127 | 101625 | 13.41 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 194940 | 35.85 | ng | | 98 |
| 35) Caprolactam | 11.95 | 113 | 100715m | 41.13 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.28 | 107 | 315417 | 45.05 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 584420 | 41.52 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 371364 | 38.81 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.96 | 237 | 224386 | 63.27 | ng | | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 235530 | 42.04 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.33 | 196 | 245608 | 40.61 | ng | | 99 |
| 45) 1,1'-Biphenyl | 13.63 | 154 | 829762 | 41.74 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 628202 | 40.24 | ng | | 96 |
| 47) 2-Nitroaniline | 13.90 | 65 | 277034 | 41.24 | ng | | 98 |
| 48) Acenaphthylene | 14.52 | 152 | 992362 | 38.21 | ng | | 97 |
| 49) Dimethylphthalate | 14.24 | 163 | 835044 | 38.81 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 192909 | 39.59 | ng | | 96 |
| 51) Acenaphthene | 14.86 | 154 | 649520 | 40.48 | ng | | 97 |
| 52) 3-Nitroaniline | 14.73 | 138 | 105264 | 22.91 | ng | # | 98 |
| 53) 2,4-Dinitrophenol | 14.95 | 184 | 214842 | 74.44 | ng | # | 89 |
| 54) Dibenzofuran | 15.19 | 168 | 1035007 | 42.69 | ng | | 96 |
| 55) 4-Nitrophenol | 15.05 | 139 | 263802 | 74.66 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 15.18 | 165 | 284330 | 39.88 | ng | # | 77 |
| 57) Fluorene | 15.84 | 166 | 842289 | 39.10 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 244119 | 43.20 | ng | | 98 |
| 59) Diethylphthalate | 15.59 | 149 | 881150 | 38.63 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204 | 450054 | 38.54 | ng | | 98 |
| 61) 4-Nitroaniline | 15.89 | 138 | 185038 | 40.10 | ng | | 95 |
| 62) Azobenzene | 16.12 | 77 | 1032349 | 44.47 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.95 | 198 | 181747 | 39.27 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 16.04 | 169 | 781394 | 41.80 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.72 | 248 | 314237 | 39.68 | ng | | 98 |
| 67) Hexachlorobenzene | 16.85 | 284 | 349531 | 39.25 | ng | | 94 |
| 68) Atrazine | 16.98 | 200 | 327053 | 35.44 | ng | | 97 |
| 69) Pentachlorophenol | 17.20 | 266 | 303684 | 77.60 | ng | | 99 |
| 70) Phenanthrene | 17.59 | 178 | 1425557 | 40.29 | ng | | 98 |
| 71) Anthracene | 17.68 | 178 | 1493564 | 40.93 | ng | | 99 |
| 72) Carbazole | 17.96 | 167 | 1322204 | 37.41 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.46 | 149 | 1615786 | 39.51 | ng | | 98 |
| 74) Fluoranthene | 19.58 | 202 | 1785790 | 36.82 | ng | | 97 |
| 76) Benzidine | 19.77 | 184 | 412976 | 15.21 | ng | | 95 |
| 77) Pyrene | 19.95 | 202 | 1818914 | 41.29 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.79 | 149 | 798545 | 43.66 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 1915443 | 40.90 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.72 | 252 | 398554 | 21.68 | ng | | 99 |
| 82) Chrysene | 21.88 | 228 | 1728155 | 39.04 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 1122571 | 44.07 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.89 | 149 | 1879547 | 45.42 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 2260636 | 41.89 | ng | # | 98 |
| 87) Benzo(b)fluoranthene | 24.13 | 252 | 1931822 | 42.80 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.20 | 252 | 1850876 | 41.90 | ng | | 96 |
| 89) Benzo(a)pyrene | 25.05 | 252 | 1858073 | 43.28 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 29.15 | 278 | 1895585 | 42.70 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 30.34 | 276 | 1867268 | 42.33 | ng | # | 93 |

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

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