Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090116\
Data File : BG023939.D
Acq On : 1 Sep 2016 19:11
Operator : UM/SJ
Sample : PB93192BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB93192BS

Quant Time: Sep 02 01:19:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 31 20:05:47 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 24263 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 126760 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 107601 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.52 | 188 | 294734 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.84 | 240 | 316296 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.21 | 264 | 314098 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 209392 | 151.52 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 315770 | 148.44 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 234000 | 82.41 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.26 | 330 | 239419 | 123.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 582020 | 77.55 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.13 | 244 | 1256131 | 90.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 18285 | 32.08 | ng | # | 91 |
| 3) Pyridine | 3.90 | 79 | 62021 | 36.21 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 48320 | 53.52 | ng | # | 60 |
| 6) Aniline | 7.41 | 93 | 89032 | 31.53 | ng | | 96 |
| 8) 2-Chlorophenol | 7.65 | 128 | 77767 | 48.57 | ng | | 96 |
| 9) Benzaldehyde | 7.23 | 77 | 12179 | 8.06 | ng | | 88 |
| 10) Phenol | 7.29 | 94 | 110056 | 49.18 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 67975 | 38.60 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 80698 | 43.07 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 80236 | 40.42 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 75517 | 40.53 | ng | # | 91 |
| 15) Benzyl Alcohol | 8.34 | 79 | 97870 | 52.18 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 94883 | 40.20 | ng | | 91 |
| 17) 2-Methylphenol | 8.55 | 107 | 74881 | 49.66 | ng | | 94 |
| 18) Hexachloroethane | 9.17 | 117 | 32856 | 42.98 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.90 | 70 | 81363 | 43.29 | ng | # | 89 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 105112 | 50.02 | ng | | 95 |
| 22) Acetophenone | 8.92 | 105 | 117266 | 35.73 | ng | # | 95 |
| 24) Nitrobenzene | 9.31 | 77 | 123835 | 40.56 | ng | | 99 |
| 25) Isophorone | 9.84 | 82 | 212993 | 38.68 | ng | | 99 |
| 26) 2-Nitrophenol | 10.03 | 139 | 47434 | 40.87 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 94733 | 48.02 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93 | 113310 | 40.76 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 99803 | 47.75 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 93731 | 40.89 | ng | | 94 |
| 31) Naphthalene | 10.97 | 128 | 268321 | 41.08 | ng | | 97 |
| 32) Benzoic acid | 10.26 | 122 | 50202 | 31.34 | ng | # | 80 |
| 33) 4-Chloroaniline | 11.10 | 127 | 63892 | 23.43 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 71656 | 41.62 | ng | | 96 |
| 35) Caprolactam | 11.90 | 113 | 33001m | 44.80 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 126575 | 45.32 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 224726 | 45.23 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 116982 | 32.75 | ng | | 95 |
| 40) Hexachlorocyclopentadiene | 12.91 | 237 | 160949 | 75.25 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 95044 | 39.88 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.28 | 196 | 100022 | 41.51 | ng | | 87 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 293635 | 33.93 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 244437 | 38.47 | ng | | 94 |
| 47) 2-Nitroaniline | 13.85 | 65 | 114157 | 45.61 | ng | | 98 |
| 48) Acenaphthylene | 14.48 | 152 | 421267 | 39.78 | ng | | 97 |
| 49) Dimethylphthalate | 14.21 | 163 | 373953 | 40.53 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.34 | 165 | 80167 | 41.16 | ng | | 98 |
| 51) Acenaphthene | 14.82 | 154 | 263674 | 40.27 | ng | | 94 |
| 52) 3-Nitroaniline | 14.68 | 138 | 45965 | 25.23 | ng | # | 82 |
| 53) 2,4-Dinitrophenol | 14.89 | 184 | 108437 | 76.46 | ng | # | 81 |
| 54) Dibenzofuran | 15.16 | 168 | 449043 | 43.94 | ng | | 99 |
| 55) 4-Nitrophenol | 15.01 | 139 | 117048 | 80.75 | ng | | 84 |
| 56) 2,4-Dinitrotoluene | 15.13 | 165 | 125906 | 43.98 | ng | # | 81 |
| 57) Fluorene | 15.81 | 166 | 378978 | 42.76 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 116764m | 47.75 | ng | | |
| 59) Diethylphthalate | 15.57 | 149 | 419160 | 42.55 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204 | 209760 | 43.97 | ng | | 96 |
| 61) 4-Nitroaniline | 15.86 | 138 | 79178 | 42.99 | ng | | 92 |
| 62) Azobenzene | 16.09 | 77 | 462032 | 48.43 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 86618 | 42.33 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.02 | 169 | 357975 | 42.76 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.70 | 248 | 154956 | 43.21 | ng | | 98 |
| 67) Hexachlorobenzene | 16.82 | 284 | 162263 | 38.58 | ng | | 96 |
| 68) Atrazine | 16.97 | 200 | 154977 | 43.03 | ng | | 98 |
| 69) Pentachlorophenol | 17.18 | 266 | 183389 | 82.10 | ng | | 97 |
| 70) Phenanthrene | 17.57 | 178 | 692841 | 45.19 | ng | | 95 |
| 71) Anthracene | 17.66 | 178 | 708959 | 45.33 | ng | | 95 |
| 72) Carbazole | 17.94 | 167 | 614716 | 43.31 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.47 | 149 | 754727 | 44.57 | ng | | 97 |
| 74) Fluoranthene | 19.58 | 202 | 868502 | 47.05 | ng | | 94 |
| 76) Benzidine | 19.76 | 184 | 346400 | 35.37 | ng | | 96 |
| 77) Pyrene | 19.94 | 202 | 885306 | 45.51 | ng | | 92 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 331985 | 44.27 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 835556 | 47.19 | ng | | 92 |
| 81) 3,3'-Dichlorobenzidine | 21.73 | 252 | 169533 | 23.95 | ng | # | 97 |
| 82) Chrysene | 21.88 | 228 | 778533 | 46.19 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.68 | 149 | 449821 | 43.81 | ng | | 95 |
| 84) Di-n-octyl phthalate | 22.94 | 149 | 750768 | 44.58 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.07 | 276 | 876775 | 46.99 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.13 | 252 | 828132 | 46.41 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.20 | 252 | 799983 | 45.22 | ng | | 97 |
| 89) Benzo(a)pyrene | 25.05 | 252 | 781866 | 46.15 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.14 | 278 | 723649 | 43.43 | ng | | 94 |
| 91) Benzo(g,h,i)perylene | 30.29 | 276 | 726433 | 45.33 | ng | | 98 |

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

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