Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG111317\
Data File : BG030974.D
Acq On : 13 Nov 2017 15:46
Operator : SJ/JU
Sample : PB104186BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB104186BS

Quant Time: Nov 14 04:50:09 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 52908 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.96 | 136 | 224447 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 157748 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.50 | 188 | 409181 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.77 | 240 | 485648 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.07 | 264 | 493777 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 281781 | 91.33 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 364530 | 87.70 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 213247 | 56.30 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.25 | 330 | 242315 | 94.96 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.38 | 172 | 653141 | 59.49 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.09 | 244 | 1261973 | 57.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 29285 | 23.389 | ng | # | 82 |
| 3) Pyridine | 3.96 | 79 | 82621 | 22.729 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.87 | 42 | 42299 | 24.553 | ng | # | 93 |
| 6) Aniline | 7.46 | 93 | 76596 | 14.002 | ng | | 97 |
| 8) 2-Chlorophenol | 7.71 | 128 | 95348 | 28.003 | ng | | 86 |
| 9) Benzaldehyde | 7.27 | 77 | 43849 | 15.074 | ng | | 91 |
| 10) Phenol | 7.33 | 94 | 123759 | 28.669 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 81821 | 23.739 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 103241 | 25.843 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 106099 | 26.209 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 100557 | 25.880 | ng | | 97 |
| 15) Benzyl Alcohol | 8.38 | 79 | 82832 | 24.843 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 121959 | 32.034 | ng | | 93 |
| 17) 2-Methylphenol | 8.59 | 107 | 82709 | 27.514 | ng | | 96 |
| 18) Hexachloroethane | 9.23 | 117 | 36366 | 25.810 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 68174 | 21.570 | ng | # | 93 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 114340 | 26.750 | ng | | 95 |
| 22) Acetophenone | 8.97 | 105 | 138068 | 24.706 | ng | # | 93 |
| 24) Nitrobenzene | 9.35 | 77 | 102424 | 26.472 | ng | | 89 |
| 25) Isophorone | 9.87 | 82 | 192950 | 26.120 | ng | # | 91 |
| 26) 2-Nitrophenol | 10.06 | 139 | 54337 | 26.942 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 95122 | 31.770 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93 | 119089 | 25.597 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 112004 | 31.152 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 120839 | 28.151 | ng | | 95 |
| 31) Naphthalene | 11.01 | 128 | 289198 | 26.211 | ng | | 98 |
| 32) Benzoic acid | 10.26 | 122 | 47598 | 22.497 | ng | # | 75 |
| 33) 4-Chloroaniline | 11.12 | 127 | 53263 | 11.027 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 84177 | 28.276 | ng | | 97 |
| 35) Caprolactam | 11.88 | 113 | 36753 | 25.024 | ng | # | 74 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 111549 | 28.506 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.60 | 142 | 229485 | 26.942 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 157961 | 25.230 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 12.94 | 237 | 130701 | 59.582 | ng | | 90 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 106557 | 29.771 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.29 | 196 | 115008 | 29.368 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 13.60 | 154 | 323817 | 24.755 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.64 | 162 | 261520 | 27.709 | ng | | 95 |
| 47) 2-Nitroaniline | 13.84 | 65 | 71841 | 25.681 | ng | # | 82 |
| 48) Acenaphthylene | 14.48 | 152 | 401546 | 25.995 | ng | | 98 |
| 49) Dimethylphthalate | 14.21 | 163 | 359317 | 26.344 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.33 | 165 | 78686 | 27.989 | ng | # | 78 |
| 51) Acenaphthene | 14.82 | 154 | 245669 | 25.465 | ng | | 97 |
| 52) 3-Nitroaniline | 14.67 | 138 | 40057 | 13.419 | ng | # | 74 |
| 53) 2,4-Dinitrophenol | 14.88 | 184 | 69221 | 47.340 | ng | # | 47 |
| 54) Dibenzofuran | 15.16 | 168 | 419507 | 27.300 | ng | | 99 |
| 55) 4-Nitrophenol | 14.98 | 139 | 111636 | 52.500 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.12 | 165 | 113724 | 27.982 | ng | # | 72 |
| 57) Fluorene | 15.81 | 166 | 332666 | 26.665 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 116793 | 31.292 | ng | # | 85 |
| 59) Diethylphthalate | 15.56 | 149 | 352866 | 25.469 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204 | 207730 | 27.570 | ng | | 91 |
| 61) 4-Nitroaniline | 15.82 | 138 | 77625 | 24.558 | ng | | 89 |
| 62) Azobenzene | 16.08 | 77 | 275849 | 26.107 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 60352 | 22.190 | ng | # | 77 |
| 65) n-Nitrosodiphenylamine | 16.01 | 169 | 310294 | 25.025 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.68 | 248 | 148670 | 28.687 | ng | | 93 |
| 67) Hexachlorobenzene | 16.81 | 284 | 155709 | 28.277 | ng | # | 92 |
| 68) Atrazine | 16.94 | 200 | 133634 | 26.122 | ng | | 96 |
| 69) Pentachlorophenol | 17.16 | 266 | 154638 | 50.802 | ng | | 98 |
| 70) Phenanthrene | 17.54 | 178 | 580425 | 27.244 | ng | | 99 |
| 71) Anthracene | 17.63 | 178 | 588144 | 27.551 | ng | | 99 |
| 72) Carbazole | 17.90 | 167 | 523662 | 26.180 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 606906 | 24.712 | ng | | 99 |
| 74) Fluoranthene | 19.54 | 202 | 769993 | 28.545 | ng | | 97 |
| 76) Benzidine | 19.71 | 184 | 248803 | 15.949 | ng | | 98 |
| 77) Pyrene | 19.90 | 202 | 788538 | 27.363 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.76 | 149 | 283358 | 24.661 | ng | # | 84 |
| 80) Benzo(a)anthracene | 21.75 | 228 | 815494 | 27.033 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 165125 | 13.560 | ng | # | 96 |
| 82) Chrysene | 21.82 | 228 | 761409 | 27.286 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 396015 | 23.876 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.86 | 149 | 666890 | 24.703 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.84 | 276 | 922876 | 27.204 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 24.01 | 252 | 808064 | 27.054 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 24.08 | 252 | 794551 | 26.838 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.91 | 252 | 783126 | 27.599 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.90 | 278 | 773788 | 26.680 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 30.02 | 276 | 772929 | 27.459 | ng | # | 95 |

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

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