Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070717\
Data File : BG027870.D
Acq On : 7 Jul 2017 16:01
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Jul 07 17:30:34 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.43 | 152 | 38765 | 20.00 | ng | -0.05 |
| 21) Naphthalene-d8 | 11.25 | 136 | 191524 | 20.00 | ng | -0.05 |
| 38) Acenaphthene-d10 | 15.02 | 164 | 110540 | 20.00 | ng | -0.04 |
| 63) Phenanthrene-d10 | 17.77 | 188 | 265095 | 20.00 | ng | -0.04 |
| 75) Chrysene-d12 | 22.13 | 240 | 315827 | 20.00 | ng | -0.05 |
| 86) Perylene-d12 | 25.70 | 264 | 282696 | 20.00 | ng | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 6.01 | 112 | 207203 | 82.31 | ng | -0.05 |
| 7) Phenol-d6 | 7.57 | 99 | 302373 | 78.63 | ng | -0.04 |
| 23) Nitrobenzene-d5 | 9.60 | 82 | 240777 | 70.08 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 16.52 | 330 | 138538 | 91.37 | ng | -0.03 |
| 44) 2-Fluorobiphenyl | 13.65 | 172 | 644904 | 83.32 | ng | -0.04 |
| 78) Terphenyl-d14 | 20.35 | 244 | 1027632 | 76.28 | ng | -0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.98 | 88 | 40188 | 42.879 | ng | # 65 |
| 3) Pyridine | 4.37 | 79 | 110668 | 38.347 | ng | # 63 |
| 4) n-Nitrosodimethylamine | 4.28 | 42 | 31372 | 22.167 | ng | # 1 |
| 6) Aniline | 7.76 | 93 | 147130 | 33.005 | ng | # 87 |
| 8) 2-Chlorophenol | 8.00 | 128 | 113472 | 40.338 | ng | # 79 |
| 9) Benzaldehyde | 7.57 | 77 | 79091 | 34.562 | ng | # 77 |
| 10) Phenol | 7.60 | 94 | 146554 | 38.518 | ng | # 66 |
| 11) bis(2-Chloroethyl)ether | 7.84 | 93 | 121320 | 41.978 | ng | # 76 |
| 12) 1,3-Dichlorobenzene | 8.32 | 146 | 117509 | 39.273 | ng | # 87 |
| 13) 1,4-Dichlorobenzene | 8.46 | 146 | 121933 | 39.328 | ng | 95 |
| 14) 1,2-Dichlorobenzene | 8.79 | 146 | 119507 | 39.754 | ng | 91 |
| 15) Benzyl Alcohol | 8.66 | 79 | 39850 | 14.979 | ng | # 74 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.94 | 45 | 133439 | 21.647 | ng | 83 |
| 17) 2-Methylphenol | 8.86 | 107 | 102893 | 38.224 | ng | # 81 |
| 18) Hexachloroethane | 9.52 | 117 | 40268 | 36.924 | ng | # 83 |
| 19) n-Nitroso-di-n-propylamine | 9.22 | 70 | 91175 | 32.587 | ng | # 73 |
| 20) 3+4-Methylphenols | 9.18 | 107 | 142186 | 36.629 | ng | 85 |
| 22) Acetophenone | 9.25 | 105 | 173683 | 37.580 | ng | # 75 |
| 24) Nitrobenzene | 9.64 | 77 | 129019 | 35.916 | ng | # 78 |
| 25) Isophorone | 10.15 | 82 | 252531 | 33.718 | ng | # 92 |
| 26) 2-Nitrophenol | 10.35 | 139 | 64301 | 39.629 | ng | # 62 |
| 27) 2,4-Dimethylphenol | 10.40 | 122 | 117726 | 38.737 | ng | # 83 |
| 28) bis(2-Chloroethoxy)methane | 10.62 | 93 | 158106 | 37.236 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.89 | 162 | 104375 | 39.189 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.11 | 180 | 107235 | 39.478 | ng | 99 |
| 31) Naphthalene | 11.30 | 128 | 397784 | 39.055 | ng | 98 |
| 32) Benzoic acid | 10.49 | 122 | 19399 | 17.378 | ng | # 76 |
| 33) 4-Chloroaniline | 11.41 | 127 | 141936 | 32.257 | ng | # 81 |
| 34) Hexachlorobutadiene | 11.58 | 225 | 55413 | 36.612 | ng | 97 |
| 35) Caprolactam | 12.18 | 113 | 45884 | 34.252 | ng | # 50 |
| 36) 4-Chloro-3-methylphenol | 12.49 | 107 | 120181 | 32.068 | ng | # 83 |
| 37) 2-Methylnaphthalene | 12.87 | 142 | 288356 | 38.011 | ng | # 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.23 | 216 | 126273 | 43.471 | ng | 98 |
| 40) Hexachlorocyclopentadiene | 13.21 | 237 | 56787 | 41.464 | ng | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.47 | 196 | 84346 | 40.204 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 13.55 | 196 | 95381 | 40.124 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 13.86 | 154 | 359495 | 40.575 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.91 | 162 | 267780 | 40.008 | ng | | 98 |
| 47) 2-Nitroaniline | 14.11 | 65 | 80767 | 30.147 | ng | # | 59 |
| 48) Acenaphthylene | 14.75 | 152 | 495552 | 40.519 | ng | | 98 |
| 49) Dimethylphthalate | 14.47 | 163 | 340417 | 36.100 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.60 | 165 | 79059 | 38.568 | ng | # | 62 |
| 51) Acenaphthene | 15.09 | 154 | 311587 | 39.750 | ng | | 97 |
| 52) 3-Nitroaniline | 14.93 | 138 | 87615 | 36.331 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 15.13 | 184 | 37588 | 38.405 | ng | # | 81 |
| 54) Dibenzofuran | 15.42 | 168 | 414238 | 39.965 | ng | # | 88 |
| 55) 4-Nitrophenol | 15.23 | 139 | 59184 | 32.150 | ng | # | 42 |
| 56) 2,4-Dinitrotoluene | 15.38 | 165 | 109641 | 38.347 | ng | # | 77 |
| 57) Fluorene | 16.07 | 166 | 405848 | 40.384 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.65 | 232 | 74465 | 36.339 | ng | # | 96 |
| 59) Diethylphthalate | 15.82 | 149 | 364050 | 34.865 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.05 | 204 | 175277 | 39.399 | ng | | 93 |
| 61) 4-Nitroaniline | 16.09 | 138 | 101389 | 40.356 | ng | # | 49 |
| 62) Azobenzene | 16.35 | 77 | 313630 | 34.182 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 16.14 | 198 | 59976 | 37.726 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 16.27 | 169 | 332212 | 38.524 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.95 | 248 | 110454 | 39.837 | ng | | 97 |
| 67) Hexachlorobenzene | 17.08 | 284 | 128835 | 43.876 | ng | # | 88 |
| 68) Atrazine | 17.21 | 200 | 89434 | 32.849 | ng | | 95 |
| 69) Pentachlorophenol | 17.42 | 266 | 55498 | 33.489 | ng | | 99 |
| 70) Phenanthrene | 17.82 | 178 | 614445 | 40.149 | ng | | 95 |
| 71) Anthracene | 17.91 | 178 | 621050 | 40.187 | ng | | 98 |
| 72) Carbazole | 18.18 | 167 | 631636 | 41.501 | ng | # | 94 |
| 73) Di-n-butylphthalate | 18.70 | 149 | 658632 | 39.380 | ng | # | 92 |
| 74) Fluoranthene | 19.81 | 202 | 701938 | 41.968 | ng | | 91 |
| 76) Benzidine | 19.99 | 184 | 239490 | 32.938 | ng | | 97 |
| 77) Pyrene | 20.18 | 202 | 719847 | 36.319 | ng | | 96 |
| 79) Butylbenzylphthalate | 21.05 | 149 | 300881 | 33.706 | ng | | 86 |
| 80) Benzo(a)anthracene | 22.10 | 228 | 705049 | 36.924 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 22.00 | 252 | 268693 | 38.771 | ng | # | 95 |
| 82) Chrysene | 22.18 | 228 | 669342 | 37.398 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.96 | 149 | 448178 | 34.356 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 23.29 | 149 | 753169 | 34.947 | ng | # | 82 |
| 85) Indeno(1,2,3-cd)pyrene | 29.80 | 276 | 825461 | 40.354 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 24.55 | 252 | 713231 | 39.161 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.63 | 252 | 726549 | 40.357 | ng | # | 91 |
| 89) Benzo(a)pyrene | 25.53 | 252 | 678295 | 39.690 | ng | # | 93 |
| 90) Dibenzo(a,h)anthracene | 29.87 | 278 | 719245 | 41.543 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 31.09 | 276 | 673089 | 40.453 | ng | # | 85 |

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

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