Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040919\
Data File : BG040401.D
Acq On : 9 Apr 2019 16:24
Operator : JU/SJ
Sample : K2317-16MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** COMP-3MSD

**Manual Integrations APPROVED**
Sohil
4/10/2019 11:22:55 AM

Quant Time: Apr 10 08:34:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 55267 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 221382 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 134811 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 368303 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.70 | 240 | 396828 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.98 | 264 | 424088 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 377312 | 113.49 | ng | | -0.02 |
| 7) Phenol-d6 | 7.21 | 99 | 523047 | 113.84 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 303386 | 72.84 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 196124 | 134.61 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 652892 | 71.76 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1198007 | 67.92 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 53896 | 34.477 | ng | | 99 |
| 3) Pyridine | 3.90 | 79 | 126428 | 30.038 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 64499 | 33.129 | ng | # | 84 |
| 6) Aniline | 7.38 | 93 | 138104 | 23.136 | ng | | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 138315 | 35.541 | ng | | 97 |
| 9) Benzaldehyde | 7.20 | 77 | 67037 | 21.271 | ng | | 98 |
| 10) Phenol | 7.23 | 94 | 186065 | 37.310 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 132273 | 33.116 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 144942 | 34.261 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 149462 | 35.472 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 139644 | 34.657 | ng | | 96 |
| 15) Benzyl Alcohol | 8.29 | 79 | 120917 | 32.679 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 251347 | 32.788 | ng | | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 124011 | 35.936 | ng | | 96 |
| 18) Hexachloroethane | 9.12 | 117 | 52491 | 32.751 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 104327 | 31.670 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 170420 | 36.454 | ng | | 99 |
| 22) Acetophenone | 8.88 | 105 | 207118 | 37.505 | ng | # | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 157837 | 36.596 | ng | | 96 |
| 25) Isophorone | 9.77 | 82 | 300605 | 35.078 | ng | | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 74340 | 36.376 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 138271 | 42.595 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 182338 | 35.964 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 136963 | 38.871 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 141342 | 36.532 | ng | | 95 |
| 31) Naphthalene | 10.91 | 128 | 425550 | 37.502 | ng | | 100 |
| 33) 4-Chloroaniline | 11.03 | 127 | 122217 | 25.250 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 85515 | 34.560 | ng | | 99 |
| 35) Caprolactam | 11.80 | 113 | 47930m | 34.278 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 157521 | 38.887 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 315732 | 37.621 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 302917 | 37.222 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 162280 | 37.874 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 191097 | 81.226 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 112376 | 40.679 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 122094 | 40.548 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 401937 | 37.734 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 312318 | 38.225 | ng | | 97 |
| 48) 2-Nitroaniline | 13.78 | 65 | 108489 | 39.364 | ng | | 95 |
| 49) Acenaphthylene | 14.40 | 152 | 525936 | 37.965 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 495141 | 46.929 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 94878 | 40.049 | ng | | 96 |
| 52) Acenaphthene | 14.75 | 154 | 302259 | 38.077 | ng | | 97 |
| 53) 3-Nitroaniline | 14.60 | 138 | 76762 | 30.610 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 79500 | 63.100 | ng | | 87 |
| 55) Dibenzofuran | 15.07 | 168 | 504079 | 39.519 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 167659 | 82.838 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 137982 | 41.917 | ng | | 97 |
| 58) Fluorene | 15.73 | 166 | 403530 | 40.239 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 123207 | 45.091 | ng | | 97 |
| 60) Diethylphthalate | 15.48 | 149 | 439616 | 40.718 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 215543 | 40.210 | ng | | 100 |
| 62) 4-Nitroaniline | 15.76 | 138 | 111045 | 41.262 | ng | | 98 |
| 63) Azobenzene | 16.00 | 77 | 406435 | 39.909 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 73555 | 35.548 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 382294 | 35.471 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 142617 | 34.410 | ng | | 95 |
| 68) Hexachlorobenzene | 16.72 | 284 | 149363 | 35.842 | ng | | 97 |
| 69) Atrazine | 16.87 | 200 | 151717 | 37.843 | ng | | 97 |
| 70) Pentachlorophenol | 17.07 | 266 | 171324 | 71.110 | ng | | 99 |
| 71) Phenanthrene | 17.47 | 178 | 721955 | 37.294 | ng | | 99 |
| 72) Anthracene | 17.56 | 178 | 742416 | 38.315 | ng | | 99 |
| 73) Carbazole | 17.84 | 167 | 723623 | 39.461 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 856138 | 39.387 | ng | | 99 |
| 75) Fluoranthene | 19.48 | 202 | 934170 | 40.752 | ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 312542 | 21.810 | ng | | 97 |
| 78) Pyrene | 19.84 | 202 | 936404 | 35.883 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 417433 | 37.382 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 875287 | 35.810 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 215167 | 23.141 | ng | | 99 |
| 83) Chrysene | 21.75 | 228 | 861819 | 36.688 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 610458 | 38.243 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.77 | 149 | 1040823 | 38.271 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.74 | 276 | 1066837 | 37.132 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.93 | 252 | 938425 | 36.143 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 24.00 | 252 | 919761 | 38.521 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 926343 | 38.025 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.81 | 278 | 874385 | 38.646 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 889356 | 38.248 | ng | | 98 |

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

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