Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100518\
Data File : BG037169.D
Acq On : 5 Oct 2018 00:00
Operator : JU/SJ
Sample : PB113496BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB113496BSD

**Manual Integrations APPROVED**
Sohil
10/5/2018 3:17:21 PM

Quant Time: Oct 05 01:53:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 37482 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.84 | 136 | 161143 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 115235 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 307824 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.67 | 240 | 311293 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.87 | 264 | 322345 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 291964 | 149.38 | ng | | -0.02 |
| 7) Phenol-d6 | 7.20 | 99 | 424977 | 140.54 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 270357 | 89.85 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 196231 | 142.33 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 608232 | 78.61 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1160659 | 98.04 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 38836 | 43.425 | ng | | 99 |
| 3) Pyridine | 3.90 | 79 | 108137 | 41.877 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 63018 | 54.908 | ng | # | 94 |
| 6) Aniline | 7.36 | 93 | 92094 | 23.472 | ng | | 98 |
| 8) 2-Chlorophenol | 7.59 | 128 | 116519 | 51.345 | ng | | 93 |
| 9) Benzaldehyde | 7.17 | 77 | 52883 | 26.466 | ng | | 96 |
| 10) Phenol | 7.22 | 94 | 163993 | 52.549 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 114328 | 39.604 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 117481 | 42.226 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 117814 | 41.379 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 112106 | 40.631 | ng | | 97 |
| 15) Benzyl Alcohol | 8.27 | 79 | 109648 | 44.689 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 236644 | 42.699 | ng | | 97 |
| 17) 2-Methylphenol | 8.47 | 107 | 102304 | 47.062 | ng | | 92 |
| 18) Hexachloroethane | 9.11 | 117 | 45960 | 43.865 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 100966 | 40.137 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 152449 | 50.410 | ng | | 98 |
| 22) Acetophenone | 8.86 | 105 | 178873 | 47.236 | ng | # | 98 |
| 24) Nitrobenzene | 9.23 | 77 | 148919 | 46.342 | ng | | 99 |
| 25) Isophorone | 9.76 | 82 | 293395 | 53.360 | ng | | 100 |
| 26) 2-Nitrophenol | 9.94 | 139 | 66174 | 51.663 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 119265 | 59.775 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 162017 | 47.754 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 130308 | 56.339 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 124309 | 42.947 | ng | | 98 |
| 31) Naphthalene | 10.89 | 128 | 370609 | 48.336 | ng | | 98 |
| 32) Benzoic acid | 10.14 | 122 | 41252m | 29.533 | ng | | |
| 33) 4-Chloroaniline | 11.00 | 127 | 53791 | 15.430 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 80894 | 40.413 | ng | | 96 |
| 35) Caprolactam | 11.77 | 113 | 57421m | 60.318 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 159287 | 57.717 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 293784 | 50.309 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 161079 | 40.078 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.83 | 237 | 187536 | 90.725 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 111664 | 50.032 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 129900 | 54.583 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.49 | 154 | 393199 | 44.553 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.53 | 162 | 299669 | 43.177 | ng | | 97 |
| 47) 2-Nitroaniline | 13.74 | 65 | 131734 | 54.876 | ng | | 96 |
| 48) Acenaphthylene | 14.38 | 152 | 535980 | 49.282 | ng | | 98 |
| 49) Dimethylphthalate | 14.11 | 163 | 446118 | 48.096 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.23 | 165 | 100657 | 49.737 | ng | | 99 |
| 51) Acenaphthene | 14.72 | 154 | 303814 | 46.221 | ng | | 99 |
| 52) 3-Nitroaniline | 14.57 | 138 | 51651 | 24.220 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 14.77 | 184 | 30869 | 37.085 | ng | # | 82 |
| 54) Dibenzofuran | 15.06 | 168 | 514665 | 46.291 | ng | | 100 |
| 55) 4-Nitrophenol | 14.88 | 139 | 159277 | 116.912 | ng | | 100 |
| 56) 2,4-Dinitrotoluene | 15.02 | 165 | 147465 | 52.219 | ng | | 96 |
| 57) Fluorene | 15.71 | 166 | 425126 | 51.159 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 135721 | 56.217 | ng | | 98 |
| 59) Diethylphthalate | 15.47 | 149 | 461868 | 49.369 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 232751 | 44.227 | ng | | 98 |
| 61) 4-Nitroaniline | 15.73 | 138 | 114324 | 50.965 | ng | | 99 |
| 62) Azobenzene | 15.99 | 77 | 465820 | 51.820 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 47627 | 29.594 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 15.91 | 169 | 394476 | 46.419 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 152535 | 43.565 | ng | | 96 |
| 67) Hexachlorobenzene | 16.71 | 284 | 154217 | 42.765 | ng | | 100 |
| 68) Atrazine | 16.86 | 200 | 170829 | 49.646 | ng | | 98 |
| 69) Pentachlorophenol | 17.05 | 266 | 165414 | 72.856 | ng | | 96 |
| 70) Phenanthrene | 17.45 | 178 | 743545 | 50.125 | ng | | 98 |
| 71) Anthracene | 17.54 | 178 | 767798 | 52.345 | ng | | 99 |
| 72) Carbazole | 17.81 | 167 | 685980 | 47.967 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 808348 | 50.897 | ng | | 99 |
| 74) Fluoranthene | 19.45 | 202 | 921055 | 51.583 | ng | | 99 |
| 76) Benzidine | 19.64 | 184 | 297938 | 31.661 | ng | | 97 |
| 77) Pyrene | 19.82 | 202 | 899312 | 48.143 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 376376 | 50.549 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.65 | 228 | 881466 | 48.508 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 177767 | 25.701 | ng | | 96 |
| 82) Chrysene | 21.72 | 228 | 833841 | 47.492 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 519988 | 49.991 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.75 | 149 | 883477 | 51.587 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.51 | 276 | 978464 | 51.897 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 23.85 | 252 | 860599 | 50.097 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.92 | 252 | 845481 | 49.057 | ng | | 100 |
| 89) Benzo(a)pyrene | 24.72 | 252 | 839990 | 50.578 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.57 | 278 | 788248 | 50.642 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 29.65 | 276 | 799075 | 51.153 | ng | | 99 |

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

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