Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
Data File : BG036993.D
Acq On : 26 Sep 2018 22:25
Operator : JU/SJ
Sample : PB113238BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB113238BS

**Manual Integrations APPROVED**
Sohil
9/27/2018 1:37:45 PM

Quant Time: Sep 27 08:41:56 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 | 8.04 | 152 | 41971 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 171294 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 110054 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 277400 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 290550 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.89 | 264 | 299107 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 329582 | 150.60 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 465865 | 137.59 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 301370 | 94.22 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 193942 | 147.29 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 657685 | 89.01 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1139947 | 103.17 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 40747 | 40.689 | ng | | 96 |
| 3) Pyridine | 3.92 | 79 | 116586 | 40.320 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 69569 | 54.132 | ng | # | 92 |
| 6) Aniline | 7.37 | 93 | 161238 | 36.699 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 130405 | 51.318 | ng | | 93 |
| 9) Benzaldehyde | 7.18 | 77 | 82221 | 36.748 | ng | | 98 |
| 10) Phenol | 7.23 | 94 | 177137 | 50.690 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 133690 | 41.358 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 134311 | 43.112 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 137326 | 43.074 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 132230 | 42.799 | ng | | 97 |
| 15) Benzyl Alcohol | 8.28 | 79 | 122727 | 44.670 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 270464 | 43.582 | ng | | 97 |
| 17) 2-Methylphenol | 8.48 | 107 | 116885 | 48.018 | ng | | 98 |
| 18) Hexachloroethane | 9.12 | 117 | 53368 | 45.488 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 113553 | 40.313 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 162601 | 48.017 | ng | | 98 |
| 22) Acetophenone | 8.86 | 105 | 197045 | 48.951 | ng | | 98 |
| 24) Nitrobenzene | 9.25 | 77 | 169073 | 49.496 | ng | | 97 |
| 25) Isophorone | 9.76 | 82 | 318323 | 54.463 | ng | | 100 |
| 26) 2-Nitrophenol | 9.96 | 139 | 72814 | 53.478 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 124642 | 58.768 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 180524 | 50.055 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 135861 | 55.259 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 141144 | 45.873 | ng | | 98 |
| 31) Naphthalene | 10.90 | 128 | 412290 | 50.586 | ng | | 100 |
| 32) Benzoic acid | 10.15 | 122 | 44493m | 29.880 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 102743 | 27.726 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 96923 | 45.551 | ng | | 96 |
| 35) Caprolactam | 11.79 | 113 | 51392m | 50.786 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 162268 | 55.313 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 317456 | 51.141 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 181164 | 47.197 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 212988 | 107.889 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 116445 | 54.630 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 129056 | 56.781 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 418947 | 49.705 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 318859 | 48.105 | ng | | 99 |
| 47) 2-Nitroaniline | 13.75 | 65 | 123070 | 53.680 | ng | | 94 |
| 48) Acenaphthylene | 14.39 | 152 | 543558 | 52.332 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 429653 | 48.501 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 96003 | 49.671 | ng | | 99 |
| 51) Acenaphthene | 14.73 | 154 | 311092 | 49.557 | ng | | 99 |
| 52) 3-Nitroaniline | 14.58 | 138 | 76317 | 37.471 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 34661 | 42.256 | ng | # | 86 |
| 54) Dibenzofuran | 15.07 | 168 | 513929 | 48.401 | ng | | 99 |
| 55) 4-Nitrophenol | 14.88 | 139 | 144803 | 111.291 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 137780 | 51.087 | ng | | 97 |
| 57) Fluorene | 15.72 | 166 | 416090 | 52.428 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 131773 | 57.151 | ng | | 98 |
| 59) Diethylphthalate | 15.48 | 149 | 438796 | 49.111 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 231252 | 46.011 | ng | | 99 |
| 61) 4-Nitroaniline | 15.74 | 138 | 107659 | 50.254 | ng | | 96 |
| 62) Azobenzene | 16.00 | 77 | 443434 | 51.652 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 51732 | 35.670 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 380262 | 49.654 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 150510 | 47.701 | ng | | 98 |
| 67) Hexachlorobenzene | 16.72 | 284 | 151957 | 46.760 | ng | | 99 |
| 68) Atrazine | 16.87 | 200 | 162760 | 52.488 | ng | | 98 |
| 69) Pentachlorophenol | 17.06 | 266 | 160631 | 78.509 | ng | | 96 |
| 70) Phenanthrene | 17.45 | 178 | 706167 | 52.826 | ng | | 99 |
| 71) Anthracene | 17.55 | 178 | 717882 | 54.310 | ng | | 99 |
| 72) Carbazole | 17.82 | 167 | 649442 | 50.392 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.37 | 149 | 746321 | 52.145 | ng | | 99 |
| 74) Fluoranthene | 19.46 | 202 | 874760 | 54.363 | ng | | 99 |
| 76) Benzidine | 19.65 | 184 | 418933 | 47.697 | ng | | 98 |
| 77) Pyrene | 19.82 | 202 | 861889 | 49.433 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 357935 | 51.504 | ng | | 100 |
| 80) Benzo(a)anthracene | 21.66 | 228 | 869562 | 51.269 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 234345 | 36.299 | ng | | 97 |
| 82) Chrysene | 21.73 | 228 | 827091 | 50.471 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 490728 | 50.546 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.77 | 149 | 831009 | 51.988 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 976086 | 55.467 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 860282 | 53.970 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.94 | 252 | 824258 | 51.541 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 831624 | 53.965 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 28.60 | 278 | 774793 | 53.645 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 29.68 | 276 | 807127 | 55.683 | ng | | 98 |

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

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