Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091718\
Data File : BG036751.D
Acq On : 17 Sep 2018 12:49
Operator : JU/SJ
Sample : PB112896BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB112896BS

**Manual Integrations APPROVED**
Sohil
9/18/2018 6:18:11 PM

Quant Time: Sep 17 18:12:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 64647 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 282007 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 183143 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 459690 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 21.68 | 240 | 463203 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 24.89 | 264 | 447260 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 445997 | 109.44 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 601561 | 103.10 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 359769 | 69.22 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 244248 | 111.77 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 841649 | 65.62 | ng | -0.01 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1354217 | 68.33 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 64342 | 33.830 | ng | 99 |
| 3) Pyridine | 3.93 | 79 | 172666 | 32.343 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 96278 | 40.490 | ng | 95 |
| 6) Aniline | 7.38 | 93 | 228707 | 30.880 | ng | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 178475 | 40.384 | ng | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 102378 | 25.479 | ng | 96 |
| 10) Phenol | 7.24 | 94 | 245757 | 40.248 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 173697 | 35.881 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 184635 | 36.587 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 187995 | 36.898 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 178239 | 36.631 | ng | 98 |
| 15) Benzyl Alcohol | 8.29 | 79 | 179887 | 38.243 | ng | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 346525 | 35.496 | ng | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 165869 | 40.910 | ng | 99 |
| 18) Hexachloroethane | 9.13 | 117 | 69489 | 38.040 | ng | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 151774 | 34.804 | ng | 94 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 230830 | 40.778 | ng | 99 |
| 22) Acetophenone | 8.87 | 105 | 275764 | 37.238 | ng | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 220943 | 39.420 | ng | 98 |
| 25) Isophorone | 9.78 | 82 | 409189 | 39.630 | ng | 97 |
| 26) 2-Nitrophenol | 9.96 | 139 | 96178 | 43.304 | ng | 98 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 176771 | 42.990 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 244140 | 38.526 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 189999 | 42.162 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 193179 | 36.644 | ng | 97 |
| 31) Naphthalene | 10.91 | 128 | 557176 | 39.524 | ng | 98 |
| 32) Benzoic acid | 10.14 | 122 | 73038 | 26.202 | ng | 99 |
| 33) 4-Chloroaniline | 11.01 | 127 | 173548 | 26.865 | ng | 97 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 133023 | 37.556 | ng | 98 |
| 35) Caprolactam | 11.79 | 113 | 67700m | 37.712 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 207673 | 39.660 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 429479 | 41.636 | ng | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 242546 | 37.423 | ng | 97 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 294063 | 87.203 | ng | 98 |

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|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 163206 | 41.339 ng | 97 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 179493 | 42.625 ng | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 553246 | 36.392 ng | 99 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 421428 | 36.312 ng | 99 |
| 47) 2-Nitroaniline | 13.75 | 65 | 152316 | 41.795 ng | 97 |
| 48) Acenaphthylene | 14.40 | 152 | 709923 | 39.140 ng | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 567803 | 37.968 ng | 98 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 125732 | 40.858 ng | 98 |
| 51) Acenaphthene | 14.74 | 154 | 420974 | 36.240 ng | 99 |
| 52) 3-Nitroaniline | 14.57 | 138 | 104578 | 31.536 ng | 99 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 113106 | 97.037 ng | 96 |
| 54) Dibenzofuran | 15.07 | 168 | 677304 | 37.217 ng | 99 |
| 55) 4-Nitrophenol | 14.89 | 139 | 206194 | 76.048 ng | 98 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 176074 | 43.902 ng | 94 |
| 57) Fluorene | 15.72 | 166 | 541500 | 39.802 ng | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 176415 | 44.589 ng | 97 |
| 59) Diethylphthalate | 15.49 | 149 | 560001 | 37.157 ng | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 309786 | 36.876 ng | 100 |
| 61) 4-Nitroaniline | 15.74 | 138 | 137343 | 39.579 ng | 96 |
| 62) Azobenzene | 16.01 | 77 | 562049 | 36.653 ng | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 96314 | 47.696 ng | 98 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 498099 | 36.467 ng | 98 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 204421 | 37.982 ng | 99 |
| 67) Hexachlorobenzene | 16.73 | 284 | 205988 | 37.430 ng | 97 |
| 68) Atrazine | 16.87 | 200 | 202556 | 39.509 ng | 97 |
| 69) Pentachlorophenol | 17.07 | 266 | 242690 | 64.886 ng | 97 |
| 70) Phenanthrene | 17.46 | 178 | 907367 | 38.846 ng | 99 |
| 71) Anthracene | 17.55 | 178 | 927850 | 39.849 ng | 99 |
| 72) Carbazole | 17.82 | 167 | 812990 | 34.962 ng | 99 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 938753 | 36.253 ng | 100 |
| 74) Fluoranthene | 19.47 | 202 | 1113358 | 39.095 ng | 100 |
| 76) Benzidine | 19.65 | 184 | 402827 | 27.258 ng | 98 |
| 77) Pyrene | 19.83 | 202 | 1077162 | 37.816 ng | 99 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 427224 | 37.688 ng | 98 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1081212 | 38.530 ng | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 302634 | 27.060 ng | 96 |
| 82) Chrysene | 21.73 | 228 | 1000351 | 37.609 ng | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 582102 | 36.696 ng | 99 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 990638 | 37.388 ng | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 1197107 | 38.749 ng | 99 |
| 87) Benzo(b)fluoranthene | 23.88 | 252 | 1091875 | 43.963 ng | 96 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 1008789 | 41.576 ng | 98 |
| 89) Benzo(a)pyrene | 24.75 | 252 | 1037800 | 43.484 ng | 99 |
| 90) Dibenzo(a,h)anthracene | 28.61 | 278 | 975350 | 42.333 ng | 97 |
| 91) Benzo(g,h,i)perylene | 29.68 | 276 | 1001618 | 43.260 ng | 97 |

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

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