Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG032618\
Data File : BG033340.D
Acq On : 26 Mar 2018 21:48
Operator : SJ/JU
Sample : J1867-14MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C19013071MSD

**Manual Integrations APPROVED**
Sohil
3/27/2018 2:57:48 PM

Quant Time: Mar 27 08:19:16 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 15:11:46 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.87 | 152 | 41423 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 11.75 | 136 | 168245 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 15.48 | 164 | 128672 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 18.21 | 188 | 331345 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 22.56 | 240 | 347377 | 20.00 | ng | | -0.04 |
| 86) Perylene-d12 | 26.32 | 264 | 376180 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.28 | 112 | 192108 | 86.96 | ng | | -0.03 |
| 7) Phenol-d6 | 7.97 | 99 | 184162 | 48.52 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 10.07 | 82 | 398986 | 108.95 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 16.96 | 330 | 319679 | 166.12 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 14.11 | 172 | 966644 | 108.45 | ng | | -0.03 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1612118 | 99.25 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.93 | 88 | 21720 | 19.361 | ng | | 86 |
| 3) Pyridine | 4.39 | 79 | 47312m | 15.256 | ng | | |
| 4) n-Nitrosodimethylamine | 4.30 | 42 | 27417 | 21.543 | ng | # | 90 |
| 6) Aniline | 8.16 | 93 | 76276 | 17.088 | ng | | 97 |
| 8) 2-Chlorophenol | 8.41 | 128 | 111544 | 44.168 | ng | | 94 |
| 9) Benzaldehyde | 7.96 | 77 | 72598m | 30.097 | ng | | |
| 10) Phenol | 8.01 | 94 | 66287 | 17.688 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 8.25 | 93 | 141952 | 46.407 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.75 | 146 | 135010 | 40.890 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.90 | 146 | 133870 | 40.485 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 9.23 | 146 | 133023 | 41.218 | ng | | 97 |
| 15) Benzyl Alcohol | 9.10 | 79 | 98540 | 32.974 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.39 | 45 | 217443 | 43.606 | ng | | 85 |
| 17) 2-Methylphenol | 9.30 | 107 | 90742m | 35.545 | ng | | |
| 18) Hexachloroethane | 9.99 | 117 | 51066 | 40.013 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 9.67 | 70 | 128885 | 46.340 | ng | # | 96 |
| 20) 3+4-Methylphenols | 9.64 | 107 | 113488 | 31.222 | ng | | 85 |
| 22) Acetophenone | 9.71 | 105 | 231738 | 50.276 | ng | # | 96 |
| 24) Nitrobenzene | 10.11 | 77 | 189379 | 48.316 | ng | | 91 |
| 25) Isophorone | 10.63 | 82 | 370983 | 52.197 | ng | | 97 |
| 26) 2-Nitrophenol | 10.84 | 139 | 81771 | 55.104 | ng | # | 95 |
| 27) 2,4-Dimethylphenol | 10.87 | 122 | 115288 | 53.480 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 11.11 | 93 | 197172 | 55.601 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 11.38 | 162 | 148538 | 56.028 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.60 | 180 | 161732 | 46.954 | ng | | 98 |
| 31) Naphthalene | 11.80 | 128 | 429424 | 49.254 | ng | | 98 |
| 32) Benzoic acid | 10.95 | 122 | 30628m | 15.284 | ng | | |
| 33) 4-Chloroaniline | 11.89 | 127 | 93731 | 23.996 | ng | | 93 |
| 34) Hexachlorobutadiene | 12.06 | 225 | 119189 | 45.758 | ng | | 94 |
| 35) Caprolactam | 12.63 | 113 | 24837 | 23.914 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 12.96 | 107 | 171159 | 49.500 | ng | | 99 |
| 37) 2-Methylnaphthalene | 13.35 | 142 | 343881 | 50.817 | ng | | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.70 | 216 | 230714 | 49.500 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 13.68 | 237 | 263370 | 96.391 | ng | | 90 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.93 | 196 | 152927 | 56.473 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 14.00 | 196 | 173097 | 54.079 | ng | | 98 |
| 45) 1,1'-Biphenyl | 14.33 | 154 | 478801 | 48.434 | ng | | 99 |
| 46) 2-Chloronaphthalene | 14.38 | 162 | 376772 | 49.430 | ng | | 97 |
| 47) 2-Nitroaniline | 14.57 | 65 | 148159 | 51.895 | ng | | 97 |
| 48) Acenaphthylene | 15.21 | 152 | 601516 | 47.278 | ng | | 98 |
| 49) Dimethylphthalate | 14.91 | 163 | 566377 | 50.579 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 15.04 | 165 | 122743 | 53.607 | ng | | 97 |
| 51) Acenaphthene | 15.55 | 154 | 456553 | 55.665 | ng | | 95 |
| 52) 3-Nitroaniline | 15.38 | 138 | 71291 | 29.699 | ng | # | 89 |
| 53) 2,4-Dinitrophenol | 15.58 | 184 | 118855 | 98.305 | ng | # | 71 |
| 54) Dibenzofuran | 15.88 | 168 | 631055 | 52.089 | ng | | 92 |
| 55) 4-Nitrophenol | 15.66 | 139 | 76310 | 45.208 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.82 | 165 | 172686 | 51.222 | ng | | 91 |
| 57) Fluorene | 16.52 | 166 | 534379 | 51.775 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.09 | 232 | 177299m | 58.839 | ng | | |
| 59) Diethylphthalate | 16.25 | 149 | 540604 | 49.718 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.50 | 204 | 295513 | 49.808 | ng | | 98 |
| 61) 4-Nitroaniline | 16.54 | 138 | 111065 | 45.689 | ng | # | 83 |
| 62) Azobenzene | 16.79 | 77 | 517936 | 49.172 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 16.58 | 198 | 97044 | 48.958 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.71 | 169 | 462878 | 48.933 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 17.39 | 248 | 198195 | 50.932 | ng | | 98 |
| 67) Hexachlorobenzene | 17.52 | 284 | 210680 | 51.300 | ng | | 95 |
| 68) Atrazine | 17.63 | 200 | 198219 | 51.712 | ng | | 97 |
| 69) Pentachlorophenol | 17.85 | 266 | 271988 | 96.494 | ng | | 99 |
| 70) Phenanthrene | 18.26 | 178 | 860415 | 49.861 | ng | | 99 |
| 71) Anthracene | 18.35 | 178 | 879827 | 50.355 | ng | | 99 |
| 72) Carbazole | 18.60 | 167 | 753803 | 48.685 | ng | | 97 |
| 73) Di-n-butylphthalate | 19.10 | 149 | 892766 | 49.538 | ng | # | 99 |
| 74) Fluoranthene | 20.21 | 202 | 1054654 | 49.388 | ng | | 96 |
| 76) Benzidine | 20.37 | 184 | 177936 | 18.888 | ng | | 98 |
| 77) Pyrene | 20.57 | 202 | 1071041 | 46.229 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.42 | 149 | 417148 | 48.792 | ng | | 97 |
| 80) Benzo(a)anthracene | 22.54 | 228 | 1086272 | 49.109 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 22.42 | 252 | 276368 | 35.111 | ng | | 99 |
| 82) Chrysene | 22.62 | 228 | 1033751 | 48.280 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.36 | 149 | 586265 | 49.744 | ng | | 98 |
| 84) Di-n-octyl phthalate | 23.76 | 149 | 1003431 | 55.607 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 30.71 | 276 | 1267253 | 54.741 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 25.11 | 252 | 1100086 | 50.617 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 25.20 | 252 | 1085137 | 49.367 | ng | # | 98 |
| 89) Benzo(a)pyrene | 26.15 | 252 | 1072404 | 51.381 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 30.78 | 278 | 1065556 | 54.199 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 32.09 | 276 | 1058953 | 54.394 | ng | # | 94 |

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

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