Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010620\
Data File : BG043946.D
Acq On : 7 Jan 2020 00:47
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jan 07 04:56:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 130781 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.76 | 136 | 558645 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.59 | 164 | 373128 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.34 | 188 | 793149 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.59 | 240 | 664031 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.71 | 264 | 762826 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 605908 | 85.07 | ng | | 0.00 |
| 7) Phenol-d6 | 7.13 | 99 | 845282 | 84.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.12 | 82 | 797573 | 76.38 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.08 | 330 | 337151 | 86.34 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.22 | 172 | 1710796 | 83.07 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.95 | 244 | 2260119 | 81.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 126491 | 40.730 | ng | | 97 |
| 3) Pyridine | 3.83 | 79 | 377639 | 41.162 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.75 | 42 | 157054 | 38.450 | ng | | 93 |
| 6) Aniline | 7.28 | 93 | 517370 | 39.563 | ng | | 99 |
| 8) 2-Chlorophenol | 7.53 | 128 | 340740 | 40.749 | ng | | 96 |
| 9) Benzaldehyde | 7.09 | 77 | 231856 | 36.385 | ng | | 98 |
| 10) Phenol | 7.15 | 94 | 429282 | 41.848 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 349616 | 39.483 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.85 | 146 | 395642 | 40.433 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.00 | 146 | 390679 | 40.465 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 375914 | 40.565 | ng | | 99 |
| 15) Benzyl Alcohol | 8.19 | 79 | 317252 | 40.375 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49 | 45 | 512675 | 37.424 | ng | | 99 |
| 17) 2-Methylphenol | 8.40 | 107 | 305110 | 41.102 | ng | | 100 |
| 18) Hexachloroethane | 9.04 | 117 | 152699 | 40.646 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.76 | 70 | 287401 | 38.762 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.73 | 107 | 426610 | 41.195 | ng | | 99 |
| 22) Acetophenone | 8.78 | 105 | 541350 | 38.979 | ng | # | 98 |
| 24) Nitrobenzene | 9.16 | 77 | 400092 | 38.683 | ng | | 100 |
| 25) Isophorone | 9.69 | 82 | 761102 | 38.848 | ng | | 99 |
| 26) 2-Nitrophenol | 9.87 | 139 | 202309 | 41.344 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.93 | 122 | 287816 | 39.074 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93 | 505183 | 38.678 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.41 | 162 | 361747 | 41.172 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 390308 | 39.619 | ng | | 98 |
| 31) Naphthalene | 10.81 | 128 | 1100332 | 40.702 | ng | | 99 |
| 32) Benzoic acid | 10.07 | 122 | 154519 | 28.661 | ng | | 95 |
| 33) 4-Chloroaniline | 10.91 | 127 | 516304 | 40.042 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.11 | 225 | 237329 | 39.457 | ng | | 99 |
| 35) Caprolactam | 11.68 | 113 | 136041 | 41.592 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 12.04 | 107 | 390879 | 41.790 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.42 | 142 | 830419 | 40.802 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.63 | 142 | 789752 | 40.942 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 425904 | 38.944 | ng | | 100 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 206630 | 36.444 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 13.02 | 196 | 302328 | 40.176 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 13.10 | 196 | 314696 | 40.547 ng | 98 |
| 46) 1,1'-Biphenyl | 13.43 | 154 | 1072284 | 40.081 ng | 98 |
| 47) 2-Chloronaphthalene | 13.47 | 162 | 860923 | 39.825 ng | 99 |
| 48) 2-Nitroaniline | 13.66 | 65 | 279931 | 40.255 ng | 96 |
| 49) Acenaphthylene | 14.32 | 152 | 1270941 | 40.904 ng | 100 |
| 50) Dimethylphthalate | 14.05 | 163 | 1084813 | 40.946 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.16 | 165 | 245710 | 41.033 ng | 94 |
| 52) Acenaphthene | 14.66 | 154 | 877639 | 40.277 ng | 97 |
| 53) 3-Nitroaniline | 14.49 | 138 | 277554 | 40.816 ng | 100 |
| 54) 2,4-Dinitrophenol | 14.69 | 184 | 96471 | 34.938 ng | 99 |
| 55) Dibenzofuran | 14.99 | 168 | 1241565 | 41.391 ng | 100 |
| 56) 4-Nitrophenol | 14.80 | 139 | 208265 | 39.967 ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 340473 | 41.786 ng | 96 |
| 58) Fluorene | 15.64 | 166 | 982002 | 41.304 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 278753 | 41.768 ng | 97 |
| 60) Diethylphthalate | 15.41 | 149 | 1106422 | 41.754 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.64 | 204 | 529914 | 41.047 ng | 98 |
| 62) 4-Nitroaniline | 15.65 | 138 | 283418 | 42.205 ng | 96 |
| 63) Azobenzene | 15.92 | 77 | 1012013 | 41.181 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.71 | 198 | 155097 | 38.872 ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.85 | 169 | 911095 | 39.007 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.52 | 248 | 349224 | 39.148 ng | 98 |
| 68) Hexachlorobenzene | 16.65 | 284 | 379676 | 39.500 ng | 98 |
| 69) Atrazine | 16.79 | 200 | 302837 | 39.887 ng | 99 |
| 70) Pentachlorophenol | 16.99 | 266 | 191080 | 36.062 ng | 98 |
| 71) Phenanthrene | 17.38 | 178 | 1531657 | 40.261 ng | 100 |
| 72) Anthracene | 17.47 | 178 | 1529698 | 40.686 ng | 99 |
| 73) Carbazole | 17.73 | 167 | 1411303 | 40.637 ng | 99 |
| 74) Di-n-butylphthalate | 18.30 | 149 | 1775783 | 40.048 ng | 100 |
| 75) Fluoranthene | 19.39 | 202 | 1715099 | 39.420 ng | 99 |
| 77) Benzidine | 19.56 | 184 | 744466 | 44.603 ng | 99 |
| 78) Pyrene | 19.74 | 202 | 1727496 | 39.856 ng | 99 |
| 80) Butylbenzylphthalate | 20.64 | 149 | 846970 | 41.044 ng | 98 |
| 81) Benzo(a)anthracene | 21.57 | 228 | 1665706 | 40.455 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.48 | 252 | 646268 | 39.729 ng | 100 |
| 83) Chrysene | 21.63 | 228 | 1605847 | 41.045 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 1155479 | 40.581 ng | 99 |
| 85) Di-n-octyl phthalate | 22.68 | 149 | 1985791 | 41.485 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.25 | 276 | 2046202 | 38.484 ng | 99 |
| 88) Benzo(b)fluoranthene | 23.73 | 252 | 1792810 | 39.755 ng | 99 |
| 89) Benzo(k)fluoranthene | 23.79 | 252 | 1747478 | 40.749 ng | 99 |
| 90) Benzo(a)pyrene | 24.57 | 252 | 1707616 | 40.120 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 28.32 | 278 | 1616126 | 37.808 ng | 97 |
| 92) Benzo(g,h,i)perylene | 29.35 | 276 | 1593907 | 37.539 ng | 99 |

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

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