Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
Data File : BG044493.D
Acq On : 19 Feb 2020 17:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Feb 20 07:14:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 65241 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.69 | 136 | 266020 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.53 | 164 | 171388 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.27 | 188 | 380811 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.52 | 240 | 377049 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 24.60 | 264 | 412352 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 313078 | 84.69 | ng | | 0.00 |
| 7) Phenol-d6 | 7.07 | 99 | 427989 | 86.22 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.05 | 82 | 390650 | 82.91 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.02 | 330 | 177230 | 88.09 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.15 | 172 | 890928 | 87.05 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.89 | 244 | 1376144 | 75.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 69263 | 41.702 | ng | | 98 |
| 3) Pyridine | 3.75 | 79 | 191083 | 43.182 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.67 | 42 | 73466 | 39.731 | ng | | 94 |
| 6) Aniline | 7.22 | 93 | 257900 | 41.855 | ng | | 98 |
| 8) 2-Chlorophenol | 7.46 | 128 | 171751 | 42.274 | ng | | 99 |
| 9) Benzaldehyde | 7.03 | 77 | 111477 | 39.430 | ng | | 99 |
| 10) Phenol | 7.09 | 94 | 211043 | 42.958 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.31 | 93 | 172445 | 41.057 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.78 | 146 | 203129 | 41.875 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.93 | 146 | 200324 | 41.696 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.24 | 146 | 191538 | 42.178 | ng | | 98 |
| 15) Benzyl Alcohol | 8.13 | 79 | 149295 | 42.480 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.43 | 45 | 235609 | 41.445 | ng | | 98 |
| 17) 2-Methylphenol | 8.34 | 107 | 146328 | 41.746 | ng | | 97 |
| 18) Hexachloroethane | 8.97 | 117 | 74011 | 41.052 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.70 | 70 | 135406 | 40.929 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.67 | 107 | 200656 | 41.538 | ng | | 99 |
| 22) Acetophenone | 8.71 | 105 | 265594 | 41.041 | ng | # | 98 |
| 24) Nitrobenzene | 9.09 | 77 | 190731 | 41.463 | ng | | 99 |
| 25) Isophorone | 9.61 | 82 | 357579 | 40.715 | ng | | 100 |
| 26) 2-Nitrophenol | 9.80 | 139 | 103047 | 43.172 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.87 | 122 | 142019 | 42.150 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.10 | 93 | 236811 | 40.420 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.35 | 162 | 172938 | 42.448 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.56 | 180 | 194152 | 41.560 | ng | | 98 |
| 31) Naphthalene | 10.74 | 128 | 547297 | 42.405 | ng | | 100 |
| 32) Benzoic acid | 10.03 | 122 | 54439 | 31.458 | ng | | 93 |
| 33) 4-Chloroaniline | 10.85 | 127 | 244308 | 41.620 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.03 | 225 | 121549 | 42.284 | ng | | 99 |
| 35) Caprolactam | 11.62 | 113 | 65447 | 43.853 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.99 | 107 | 178199 | 41.718 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.35 | 142 | 403209 | 42.077 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.57 | 142 | 378875 | 41.936 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.73 | 216 | 216022 | 42.136 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.71 | 237 | 85804 | 34.880 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.97 | 196 | 142509 | 43.004 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 13.04 | 196 | 147084 | 43.455 ng | 99 |
| 46) 1,1'-Biphenyl | 13.36 | 154 | 519986 | 42.062 ng | 99 |
| 47) 2-Chloronaphthalene | 13.40 | 162 | 412162 | 41.897 ng | 99 |
| 48) 2-Nitroaniline | 13.60 | 65 | 122415 | 42.166 ng | 98 |
| 49) Acenaphthylene | 14.25 | 152 | 617784 | 42.816 ng | 99 |
| 50) Dimethylphthalate | 13.98 | 163 | 517656 | 42.018 ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.10 | 165 | 114376 | 41.638 ng | 99 |
| 52) Acenaphthene | 14.60 | 154 | 391425 | 41.853 ng | 99 |
| 53) 3-Nitroaniline | 14.43 | 138 | 128533 | 42.294 ng | 97 |
| 54) 2,4-Dinitrophenol | 14.65 | 184 | 55382 | 38.407 ng | 96 |
| 55) Dibenzofuran | 14.93 | 168 | 607897 | 42.931 ng | 98 |
| 56) 4-Nitrophenol | 14.75 | 139 | 94693 | 42.537 ng | 95 |
| 57) 2,4-Dinitrotoluene | 14.89 | 165 | 164100 | 42.623 ng | 96 |
| 58) Fluorene | 15.58 | 166 | 480658 | 43.098 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.17 | 232 | 127188 | 41.601 ng | 98 |
| 60) Diethylphthalate | 15.35 | 149 | 520963 | 42.438 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.57 | 204 | 255160 | 42.195 ng | 98 |
| 62) 4-Nitroaniline | 15.60 | 138 | 134888 | 44.419 ng | 95 |
| 63) Azobenzene | 15.86 | 77 | 446489 | 41.499 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.66 | 198 | 85165 | 40.515 ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.79 | 169 | 440508 | 41.277 ng | 97 |
| 67) 4-Bromophenyl-phenylether | 16.47 | 248 | 169810 | 40.929 ng | 96 |
| 68) Hexachlorobenzene | 16.59 | 284 | 192494 | 41.413 ng | 99 |
| 69) Atrazine | 16.74 | 200 | 142328 | 38.910 ng | 99 |
| 70) Pentachlorophenol | 16.93 | 266 | 89112 | 39.565 ng | 98 |
| 71) Phenanthrene | 17.32 | 178 | 791751 | 42.936 ng | 98 |
| 72) Anthracene | 17.41 | 178 | 779803 | 42.773 ng | 98 |
| 73) Carbazole | 17.68 | 167 | 730882 | 43.487 ng | 98 |
| 74) Di-n-butylphthalate | 18.24 | 149 | 916712 | 44.138 ng | 98 |
| 75) Fluoranthene | 19.33 | 202 | 944853 | 44.293 ng | 98 |
| 77) Benzidine | 19.51 | 184 | 459188 | 43.906 ng | 98 |
| 78) Pyrene | 19.69 | 202 | 944902 | 39.023 ng | 97 |
| 80) Butylbenzylphthalate | 20.58 | 149 | 435119 | 39.432 ng | 98 |
| 81) Benzo(a)anthracene | 21.50 | 228 | 929117 | 39.983 ng | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.42 | 252 | 364409 | 40.405 ng | 99 |
| 83) Chrysene | 21.56 | 228 | 901120 | 40.118 ng | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.42 | 149 | 597222 | 39.321 ng | 100 |
| 85) Di-n-octyl phthalate | 22.59 | 149 | 1076576 | 40.967 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.09 | 276 | 1158460 | 39.532 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.63 | 252 | 995006 | 41.875 ng | 99 |
| 89) Benzo(k)fluoranthene | 23.70 | 252 | 967610 | 41.782 ng | 99 |
| 90) Benzo(a)pyrene | 24.46 | 252 | 944543 | 42.043 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.15 | 278 | 947848 | 42.631 ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.18 | 276 | 937761 | 42.132 ng | 98 |

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

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