Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120718\
Data File : BG038420.D
Acq On : 8 Dec 2018 2:02
Operator : JU/SJ
Sample : PB115253BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB115253BS

Quant Time: Dec 08 04:00:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 27825 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.89 | 136 | 119225 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.71 | 164 | 73285 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.45 | 188 | 184062 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.73 | 240 | 179437 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 25.03 | 264 | 193715 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 190944 | 121.44 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 261333 | 114.99 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.25 | 82 | 134228 | 55.90 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.20 | 330 | 122573 | 136.24 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 315478 | 61.34 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.05 | 244 | 618270 | 73.81 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 22877 | 31.745 | ng | # | 91 |
| 3) Pyridine | 3.90 | 79 | 69369 | 32.176 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 39663 | 41.999 | ng | # | 77 |
| 6) Aniline | 7.40 | 93 | 94838 | 32.674 | ng | | 97 |
| 8) 2-Chlorophenol | 7.63 | 128 | 73296 | 40.138 | ng | | 99 |
| 9) Benzaldehyde | 7.21 | 77 | 30114 | 20.926 | ng | | 99 |
| 10) Phenol | 7.25 | 94 | 92491 | 38.520 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 64777 | 32.940 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 72918 | 34.165 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.10 | 146 | 77847 | 35.253 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 73378 | 35.092 | ng | | 98 |
| 15) Benzyl Alcohol | 8.31 | 79 | 70495 | 37.731 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 147430 | 32.960 | ng | | 96 |
| 17) 2-Methylphenol | 8.51 | 107 | 66278 | 39.324 | ng | | 94 |
| 18) Hexachloroethane | 9.15 | 117 | 28529 | 35.795 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 56204 | 33.496 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 89939 | 37.180 | ng | | 98 |
| 22) Acetophenone | 8.90 | 105 | 107684 | 37.238 | ng | # | 97 |
| 24) Nitrobenzene | 9.29 | 77 | 87694 | 35.943 | ng | | 99 |
| 25) Isophorone | 9.80 | 82 | 184262 | 43.662 | ng | | 98 |
| 26) 2-Nitrophenol | 10.00 | 139 | 45477 | 40.228 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 10.04 | 122 | 81807 | 50.382 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93 | 99596 | 41.167 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.53 | 162 | 112648 | 60.776 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.74 | 180 | 96991 | 44.577 | ng | | 99 |
| 31) Naphthalene | 10.94 | 128 | 236994 | 41.614 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 38033 | 34.481 | ng | | 91 |
| 33) 4-Chloroaniline | 11.06 | 127 | 24535 | 9.732 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 50692 | 37.241 | ng | | 98 |
| 35) Caprolactam | 11.84 | 113 | 29494 | 38.480 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.16 | 107 | 85145 | 41.345 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.54 | 142 | 170547 | 42.051 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 162204 | 41.757 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 96139 | 38.124 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 134700 | 97.201 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.14 | 196 | 68127 | 41.705 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 77894 | 45.011 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.54 | 154 | 224187 | 36.190 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.59 | 162 | 179048 | 38.303 | ng | | 98 |
| 48) 2-Nitroaniline | 13.80 | 65 | 63515 | 40.500 | ng | | 98 |
| 49) Acenaphthylene | 14.43 | 152 | 298907 | 42.457 | ng | | 99 |
| 50) Dimethylphthalate | 14.15 | 163 | 246042 | 41.857 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.29 | 165 | 55782 | 41.544 | ng | | 95 |
| 52) Acenaphthene | 14.77 | 154 | 168599 | 39.283 | ng | | 98 |
| 53) 3-Nitroaniline | 14.62 | 138 | 42467 | 29.366 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 71774 | 97.512 | ng | # | 84 |
| 55) Dibenzofuran | 15.11 | 168 | 290277 | 40.911 | ng | | 97 |
| 56) 4-Nitrophenol | 14.92 | 139 | 86111 | 75.381 | ng | # | 76 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 80174 | 43.292 | ng | | 97 |
| 58) Fluorene | 15.75 | 166 | 231619 | 44.308 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 67847 | 45.141 | ng | | 98 |
| 60) Diethylphthalate | 15.51 | 149 | 256761 | 39.428 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204 | 126559 | 40.307 | ng | | 99 |
| 62) 4-Nitroaniline | 15.79 | 138 | 58854 | 41.379 | ng | | 85 |
| 63) Azobenzene | 16.03 | 77 | 229481 | 40.265 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 50026 | 41.481 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.96 | 169 | 213409 | 41.231 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.63 | 248 | 84395 | 42.459 | ng | | 98 |
| 68) Hexachlorobenzene | 16.74 | 284 | 86598 | 42.239 | ng | | 98 |
| 69) Atrazine | 16.90 | 200 | 83609 | 43.291 | ng | | 96 |
| 70) Pentachlorophenol | 17.10 | 266 | 104680 | 74.544 | ng | | 96 |
| 71) Phenanthrene | 17.50 | 178 | 407083 | 44.163 | ng | | 98 |
| 72) Anthracene | 17.58 | 178 | 412320 | 46.191 | ng | | 99 |
| 73) Carbazole | 17.86 | 167 | 373492 | 42.157 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 457689 | 44.221 | ng | | 98 |
| 75) Fluoranthene | 19.50 | 202 | 505560 | 46.944 | ng | | 97 |
| 77) Benzidine | 19.69 | 184 | 181891 | 30.040 | ng | | 99 |
| 78) Pyrene | 19.86 | 202 | 502250 | 40.004 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 202048 | 40.013 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.72 | 228 | 473059 | 42.895 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.63 | 252 | 143220 | 33.383 | ng | | 98 |
| 83) Chrysene | 21.78 | 228 | 440852 | 42.242 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 278462 | 38.906 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.81 | 149 | 674064 | 54.926 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.82 | 276 | 514554 | 43.383 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 477789 | 43.651 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.05 | 252 | 451257 | 41.395 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.88 | 252 | 450311 | 42.414 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.89 | 278 | 421162 | 41.825 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.02 | 276 | 420157 | 42.055 | ng | # | 95 |

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

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