Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100719\
Data File : BG043066.D
Acq On : 7 Oct 2019 14:03
Operator : JU
Sample : PB123594BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB123594BS

**Manual Integrations APPROVED**
mohammad
10/8/2019 12:22:39 PM

Quant Time: Oct 08 02:02:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 25 15:35:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 42270 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 167140 | 20.00 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 129592 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 333923 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.69 | 240 | 383667 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 24.91 | 264 | 434295 | 20.00 | ng | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 278577 | 117.61 | ng | -0.02 |
| 7) Phenol-d6 | 7.23 | 99 | 387191 | 113.52 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 199965 | 58.15 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 270068 | 121.19 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 538852 | 60.28 | ng | -0.02 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1235582 | 68.62 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 33329 | 33.750 | ng | 89 |
| 3) Pyridine | 3.93 | 79 | 83829 | 30.181 | ng | 90 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 45792 | 34.284 | ng | 84 |
| 6) Aniline | 7.38 | 93 | 137650 | 33.432 | ng | 100 |
| 8) 2-Chlorophenol | 7.63 | 128 | 112893 | 45.704 | ng | 93 |
| 9) Benzaldehyde | 7.19 | 77 | 72342 | 34.708 | ng | 96 |
| 10) Phenol | 7.26 | 94 | 139943 | 44.719 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 89603 | 37.006 | ng | 93 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 117755 | 37.370 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 122225 | 38.910 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 116020 | 38.795 | ng | 94 |
| 15) Benzyl Alcohol | 8.30 | 79 | 102151 | 39.834 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 131834 | 28.352 | ng | 96 |
| 17) 2-Methylphenol | 8.51 | 107 | 93246 | 42.585 | ng | 97 |
| 18) Hexachloroethane | 9.14 | 117 | 41483 | 35.065 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 81985 | 36.606 | ng | 92 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 131733 | 43.901 | ng | 94 |
| 22) Acetophenone | 8.88 | 105 | 157114 | 36.467 | ng | 92 |
| 24) Nitrobenzene | 9.26 | 77 | 127916 | 38.999 | ng | 95 |
| 25) Isophorone | 9.78 | 82 | 233668 | 38.685 | ng | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 59649 | 42.719 | ng | 97 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 106898 | 49.851 | ng | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 128332 | 37.447 | ng | 96 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 123980 | 46.489 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 131006 | 38.039 | ng | 97 |
| 31) Naphthalene | 10.91 | 128 | 333512 | 40.535 | ng | 98 |
| 32) Benzoic acid | 10.17 | 122 | 61678 | 38.636 | ng | 95 |
| 33) 4-Chloroaniline | 11.02 | 127 | 70606 | 19.776 | ng | 97 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 91673 | 35.550 | ng | 92 |
| 35) Caprolactam | 11.79 | 113 | 41199m | 43.806 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 130123 | 44.875 | ng | 89 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 261939 | 41.732 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 248726 | 41.879 | ng | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 171160 | 35.127 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.86 | 237 | 248871 | 80.163 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 116922 | 40.998 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 124833 | 42.490 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 358050 | 36.433 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 282062 | 38.281 | ng | | 99 |
| 48) 2-Nitroaniline | 13.76 | 65 | 91896 | 37.505 | ng | | 90 |
| 49) Acenaphthylene | 14.40 | 152 | 464667 | 41.214 | ng | | 98 |
| 50) Dimethylphthalate | 14.13 | 163 | 387278 | 39.885 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.25 | 165 | 87556 | 42.343 | ng | | 95 |
| 52) Acenaphthene | 14.74 | 154 | 284872 | 37.749 | ng | | 100 |
| 53) 3-Nitroaniline | 14.58 | 138 | 57972 | 27.128 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 111471 | 86.728 | ng | | 97 |
| 55) Dibenzofuran | 15.08 | 168 | 458192 | 41.044 | ng | | 98 |
| 56) 4-Nitrophenol | 14.90 | 139 | 149785 | 91.993 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 128503 | 42.437 | ng | # | 97 |
| 58) Fluorene | 15.72 | 166 | 390101 | 40.930 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 132210 | 42.265 | ng | | 100 |
| 60) Diethylphthalate | 15.49 | 149 | 399940 | 40.473 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 226741 | 39.668 | ng | | 98 |
| 62) 4-Nitroaniline | 15.75 | 138 | 92425 | 39.657 | ng | | 98 |
| 63) Azobenzene | 16.01 | 77 | 342444 | 38.063 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 82806 | 43.823 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 352905 | 40.034 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 158697 | 37.866 | ng | | 99 |
| 68) Hexachlorobenzene | 16.73 | 284 | 183722 | 39.371 | ng | | 97 |
| 69) Atrazine | 16.87 | 200 | 163993 | 44.179 | ng | | 95 |
| 70) Pentachlorophenol | 17.07 | 266 | 237546 | 88.220 | ng | | 98 |
| 71) Phenanthrene | 17.47 | 178 | 661073 | 40.551 | ng | | 98 |
| 72) Anthracene | 17.56 | 178 | 690865 | 42.450 | ng | | 100 |
| 73) Carbazole | 17.83 | 167 | 638255 | 42.291 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 743019 | 41.264 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 919295 | 42.634 | ng | | 99 |
| 77) Benzidine | 19.65 | 184 | 639982 | 66.619 | ng | | 99 |
| 78) Pyrene | 19.84 | 202 | 936577 | 40.899 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 344485 | 39.632 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 962663 | 40.269 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 265100 | 28.274 | ng | | 96 |
| 83) Chrysene | 21.74 | 228 | 917686 | 39.557 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 496200 | 40.119 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.79 | 149 | 838010 | 41.435 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 28.57 | 276 | 1205337 | 41.735 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.89 | 252 | 1021372 | 41.564 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.96 | 252 | 974419 | 40.083 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.76 | 252 | 933955 | 40.284 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.64 | 278 | 1013019 | 42.611 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.72 | 276 | 1013471 | 43.998 | ng | | 98 |

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

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