Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
Data File : BG043816.D
Acq On : 17 Dec 2019 12:24
Operator : JU
Sample : PB125466BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB125466BS

**Manual Integrations APPROVED**
mohammad
12/18/2019 2:40:35 PM

Quant Time: Dec 17 13:07:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 18:16:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 104973 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 476933 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 364882 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.38 | 188 | 886421 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 744900 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.79 | 264 | 777061 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 748291 | 135.06 | ng | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 1037409 | 129.84 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 650548 | 76.59 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 458905 | 131.92 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 1545776 | 74.41 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 2434938 | 78.64 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 100831 | 39.301 | ng | 96 |
| 3) Pyridine | 3.88 | 79 | 254853 | 35.947 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 133633 | 39.313 | ng | 94 |
| 6) Aniline | 7.32 | 93 | 365105 | 34.534 | ng | 96 |
| 8) 2-Chlorophenol | 7.57 | 128 | 320934 | 49.708 | ng | 95 |
| 9) Benzaldehyde | 7.14 | 77 | 220746 | 56.462 | ng | 95 |
| 10) Phenol | 7.20 | 94 | 415959 | 50.425 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 292673 | 41.812 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 320918 | 41.477 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 320334 | 41.419 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 307261 | 41.235 | ng | 99 |
| 15) Benzyl Alcohol | 8.24 | 79 | 295711 | 46.506 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 443408 | 39.525 | ng | 99 |
| 17) 2-Methylphenol | 8.45 | 107 | 295838 | 50.240 | ng | 99 |
| 18) Hexachloroethane | 9.09 | 117 | 115764 | 41.192 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 249665 | 40.872 | ng | 99 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 413759 | 50.462 | ng | 97 |
| 22) Acetophenone | 8.82 | 105 | 450940 | 37.912 | ng | 97 |
| 24) Nitrobenzene | 9.20 | 77 | 353941 | 40.908 | ng | 98 |
| 25) Isophorone | 9.73 | 82 | 684688 | 40.360 | ng | 100 |
| 26) 2-Nitrophenol | 9.91 | 139 | 174418 | 50.939 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.98 | 122 | 332304 | 55.432 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 427935 | 39.408 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.46 | 162 | 357468 | 48.558 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 334078 | 38.336 | ng | 99 |
| 31) Naphthalene | 10.86 | 128 | 959054 | 41.908 | ng | 98 |
| 32) Benzoic acid | 10.11 | 122 | 193299 | 46.462 | ng | 98 |
| 33) 4-Chloroaniline | 10.96 | 127 | 272723 | 24.579 | ng | 99 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 191910 | 36.345 | ng | 97 |
| 35) Caprolactam | 11.72 | 113 | 150988m | 52.261 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.08 | 107 | 398285 | 50.254 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 763062 | 43.020 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 723404 | 42.889 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 389129 | 35.490 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 464047 | 90.170 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 314605 | 45.144 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.14 | 196 | 349483 | 47.867 | ng | | 100 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 986207 | 39.205 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.50 | 162 | 789207 | 38.377 | ng | | 99 |
| 48) 2-Nitroaniline | 13.70 | 65 | 275503 | 45.425 | ng | | 97 |
| 49) Acenaphthylene | 14.35 | 152 | 1304932 | 42.597 | ng | | 99 |
| 50) Dimethylphthalate | 14.09 | 163 | 1090412 | 41.869 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.20 | 165 | 261319 | 46.561 | ng | | 99 |
| 52) Acenaphthene | 14.70 | 154 | 929867 | 46.140 | ng | | 96 |
| 53) 3-Nitroaniline | 14.53 | 138 | 202383 | 31.511 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 271695 | 104.851 | ng | | 92 |
| 55) Dibenzofuran | 15.03 | 168 | 1281318 | 42.952 | ng | | 99 |
| 56) 4-Nitrophenol | 14.84 | 139 | 502843 | 107.317 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 372310 | 49.094 | ng | | 97 |
| 58) Fluorene | 15.68 | 166 | 1053871 | 43.829 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 324650m | 49.558 | ng | | |
| 60) Diethylphthalate | 15.46 | 149 | 1125632 | 43.270 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 566232 | 42.048 | ng | | 98 |
| 62) 4-Nitroaniline | 15.69 | 138 | 280273 | 42.117 | ng | | 98 |
| 63) Azobenzene | 15.97 | 77 | 1043300 | 43.656 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 192360 | 54.615 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 1010899 | 41.032 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 365292 | 38.545 | ng | | 98 |
| 68) Hexachlorobenzene | 16.69 | 284 | 377166 | 37.524 | ng | | 99 |
| 69) Atrazine | 16.84 | 200 | 404737 | 51.532 | ng | | 98 |
| 70) Pentachlorophenol | 17.02 | 266 | 474787 | 88.800 | ng | | 98 |
| 71) Phenanthrene | 17.42 | 178 | 1710698 | 40.766 | ng | | 99 |
| 72) Anthracene | 17.51 | 178 | 1768653 | 42.578 | ng | | 99 |
| 73) Carbazole | 17.77 | 167 | 1614358 | 41.575 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 1858623 | 41.754 | ng | | 99 |
| 75) Fluoranthene | 19.42 | 202 | 1969269 | 41.003 | ng | | 99 |
| 77) Benzidine | 19.60 | 184 | 846806 | 52.108 | ng | | 98 |
| 78) Pyrene | 19.78 | 202 | 1974782 | 40.566 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 879937 | 43.401 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 1915084 | 40.734 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 562200 | 32.371 | ng | | 100 |
| 83) Chrysene | 21.68 | 228 | 1816204 | 40.548 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 1217814 | 41.877 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 2108334 | 44.347 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.38 | 276 | 1901541 | 33.169 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.79 | 252 | 1923473 | 42.992 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.86 | 252 | 1901990 | 44.008 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 1811605 | 42.489 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.45 | 278 | 1700434 | 39.928 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.49 | 276 | 1509473 | 35.918 | ng | | 99 |

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

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