Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040328.D
Acq On : 3 Apr 2019 16:23
Operator : JU/SJ
Sample : PB118462BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB118462BS

**Manual Integrations APPROVED**
sohil
4/4/2019 4:46:29 AM

Quant Time: Apr 04 01:53:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 48463 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 190854 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 119977 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 324377 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.70 | 240 | 380770 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.99 | 264 | 372397 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 382837 | 131.32 | ng | | -0.01 |
| 7) Phenol-d6 | 7.20 | 99 | 506070 | 125.61 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 308152 | 85.82 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 209501 | 161.57 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 706415 | 87.24 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1375327 | 81.26 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 54822 | 39.993 | ng | | 99 |
| 3) Pyridine | 3.90 | 79 | 134452 | 36.429 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 60802 | 35.614 | ng | # | 97 |
| 6) Aniline | 7.37 | 93 | 138209 | 26.404 | ng | | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 130362 | 38.201 | ng | | 98 |
| 9) Benzaldehyde | 7.19 | 77 | 88595 | 32.058 | ng | | 96 |
| 10) Phenol | 7.23 | 94 | 171808 | 39.288 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 128233 | 36.612 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 144642 | 38.991 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 144411 | 39.086 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 133433 | 37.765 | ng | | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 115833 | 35.700 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 238003 | 35.406 | ng | | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 115800 | 38.268 | ng | | 97 |
| 18) Hexachloroethane | 9.12 | 117 | 51020 | 36.303 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 100739 | 34.875 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 159345 | 38.871 | ng | | 96 |
| 22) Acetophenone | 8.88 | 105 | 195469 | 41.058 | ng | # | 99 |
| 24) Nitrobenzene | 9.27 | 77 | 147024 | 39.542 | ng | | 97 |
| 25) Isophorone | 9.78 | 82 | 285754 | 38.678 | ng | | 99 |
| 26) 2-Nitrophenol | 9.98 | 139 | 72161 | 40.958 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 128018 | 45.744 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 171732 | 39.290 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 133602 | 43.982 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 136051 | 40.790 | ng | | 99 |
| 31) Naphthalene | 10.92 | 128 | 401364 | 41.028 | ng | | 98 |
| 32) Benzoic acid | 10.12 | 122 | 25942 | 15.342 | ng | | 91 |
| 33) 4-Chloroaniline | 11.03 | 127 | 102775 | 24.630 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 84576 | 39.648 | ng | | 94 |
| 35) Caprolactam | 11.80 | 113 | 51546m | 42.760 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 155064 | 44.404 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 300764 | 41.570 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 284156 | 40.502 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 153373 | 40.221 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 183461 | 87.622 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 112601 | 45.800 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 129042 | 48.154 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 382172 | 40.315 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 299028 | 41.123 | ng | | 99 |
| 48) 2-Nitroaniline | 13.78 | 65 | 104509 | 42.609 | ng | | 97 |
| 49) Acenaphthylene | 14.41 | 152 | 506589 | 41.090 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 407809 | 43.431 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.27 | 165 | 91427 | 43.364 | ng | | 97 |
| 52) Acenaphthene | 14.75 | 154 | 291597 | 41.276 | ng | | 96 |
| 53) 3-Nitroaniline | 14.60 | 138 | 68822 | 30.837 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.81 | 184 | 79341 | 70.760 | ng | | 93 |
| 55) Dibenzofuran | 15.08 | 168 | 481888 | 42.450 | ng | | 98 |
| 56) 4-Nitrophenol | 14.90 | 139 | 178088 | 98.870 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 134951 | 46.065 | ng | | 97 |
| 58) Fluorene | 15.73 | 166 | 387914 | 43.464 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 125740 | 51.708 | ng | | 99 |
| 60) Diethylphthalate | 15.48 | 149 | 443371 | 46.143 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 208163 | 43.634 | ng | | 98 |
| 62) 4-Nitroaniline | 15.76 | 138 | 113994 | 47.595 | ng | | 94 |
| 63) Azobenzene | 16.01 | 77 | 385482 | 42.532 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 69150 | 37.944 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 372947 | 39.290 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 137428 | 37.648 | ng | | 98 |
| 68) Hexachlorobenzene | 16.72 | 284 | 144507 | 39.372 | ng | | 96 |
| 69) Atrazine | 16.87 | 200 | 142742 | 40.425 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 159678 | 75.251 | ng | | 96 |
| 71) Phenanthrene | 17.47 | 178 | 710246 | 41.657 | ng | | 99 |
| 72) Anthracene | 17.56 | 178 | 723938 | 42.421 | ng | | 99 |
| 73) Carbazole | 17.84 | 167 | 719758 | 44.565 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 874235 | 45.666 | ng | | 100 |
| 75) Fluoranthene | 19.48 | 202 | 941461 | 46.632 | ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 444577 | 32.333 | ng | | 98 |
| 78) Pyrene | 19.84 | 202 | 945909 | 37.776 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 443392 | 41.381 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 901215 | 38.426 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 203178 | 22.773 | ng | | 100 |
| 83) Chrysene | 21.75 | 228 | 891658 | 39.559 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 627822 | 40.990 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.77 | 149 | 1069608 | 40.988 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.75 | 276 | 1089025 | 39.503 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.94 | 252 | 968477 | 42.478 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.01 | 252 | 908929 | 43.351 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 936455 | 43.776 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.81 | 278 | 893763 | 44.985 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.94 | 276 | 917928 | 44.956 | ng | | 97 |

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

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