Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042016\
Data File : BG021765.D
Acq On : 19 Apr 2016 21:37
Operator : UM/SJ
Sample : H2620-03MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EUT01-TU-B2(9-13)-CMS

**Manual Integrations APPROVED**
Sohil
4/20/2016 1:38:39 PM

Quant Time: Apr 20 03:46:31 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 27068 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.03 | 136 | 129090 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 84427 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 186724 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.84 | 240 | 204917 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.17 | 264 | 202232 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 196220 | 120.72 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 300828 | 123.90 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.38 | 82 | 182420 | 72.63 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 118570 | 130.31 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.45 | 172 | 425537 | 73.85 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 579062 | 70.51 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.62 | 88 | 17549 | 24.25 | ng | # | 83 |
| 3) Pyridine | 4.03 | 79 | 57517 | 26.49 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.94 | 42 | 32600 | 30.30 | ng | # | 76 |
| 6) Aniline | 7.53 | 93 | 86853 | 27.05 | ng | | 91 |
| 8) 2-Chlorophenol | 7.78 | 128 | 75184 | 38.58 | ng | | 94 |
| 9) Benzaldehyde | 7.35 | 77 | 19035 | 13.56 | ng | | 93 |
| 10) Phenol | 7.39 | 94 | 104986 | 40.20 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.62 | 93 | 72013 | 34.45 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 8.10 | 146 | 73397 | 33.73 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.25 | 146 | 74860 | 33.79 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.57 | 146 | 74002 | 34.82 | ng | | 98 |
| 15) Benzyl Alcohol | 8.45 | 79 | 75454 | 40.66 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.74 | 45 | 134310 | 30.00 | ng | | 99 |
| 17) 2-Methylphenol | 8.65 | 107 | 71477 | 39.59 | ng | | 94 |
| 18) Hexachloroethane | 9.30 | 117 | 27580 | 34.20 | ng | # | 73 |
| 19) n-Nitroso-di-n-propylamine | 9.02 | 70 | 64277 | 34.07 | ng | # | 93 |
| 20) 3+4-Methylphenols | 8.98 | 107 | 99484 | 40.27 | ng | | 97 |
| 22) Acetophenone | 9.04 | 105 | 119589 | 33.26 | ng | # | 96 |
| 24) Nitrobenzene | 9.42 | 77 | 92325 | 34.33 | ng | | 97 |
| 25) Isophorone | 9.94 | 82 | 179977 | 32.74 | ng | | 99 |
| 26) 2-Nitrophenol | 10.14 | 139 | 43806 | 42.67 | ng | # | 91 |
| 27) 2,4-Dimethylphenol | 10.19 | 122 | 79224 | 33.97 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.42 | 93 | 104868 | 35.90 | ng | | 91 |
| 29) 2,4-Dichlorophenol | 10.67 | 162 | 82933 | 41.71 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.89 | 180 | 78474 | 36.70 | ng | | 94 |
| 31) Naphthalene | 11.08 | 128 | 246872 | 35.73 | ng | # | 97 |
| 32) Benzoic acid | 10.25 | 122 | 2920 | 6.78 | ng | | 96 |
| 33) 4-Chloroaniline | 11.18 | 127 | 70647 | 23.62 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.35 | 225 | 48674 | 35.30 | ng | | 99 |
| 35) Caprolactam | 11.95 | 113 | 31035m | 34.11 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.29 | 107 | 97489 | 38.99 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.67 | 142 | 186528 | 39.33 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 97118 | 36.81 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.00 | 237 | 104924 | 71.59 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.26 | 196 | 67358 | 40.03 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.34 | 196 | 72395 | 39.88 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.66 | 154 | 245499 | 34.51 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.71 | 162 | 189253 | 35.99 | ng | | 99 |
| 47) 2-Nitroaniline | 13.90 | 65 | 69850 | 38.74 | ng | | 95 |
| 48) Acenaphthylene | 14.55 | 152 | 312086 | 35.89 | ng | | 98 |
| 49) Dimethylphthalate | 14.27 | 163 | 295428 | 40.47 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.39 | 165 | 54495 | 39.15 | ng | | 98 |
| 51) Acenaphthene | 14.88 | 154 | 202105 | 36.36 | ng | | 99 |
| 52) 3-Nitroaniline | 14.73 | 138 | 51538 | 33.39 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.93 | 184 | 16770 | 35.86 | ng | | 88 |
| 54) Dibenzofuran | 15.22 | 168 | 306037 | 40.32 | ng | | 100 |
| 55) 4-Nitrophenol | 15.03 | 139 | 95060 | 71.92 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 15.18 | 165 | 76107 | 40.46 | ng | | 93 |
| 57) Fluorene | 15.87 | 166 | 249045 | 36.74 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.44 | 232 | 65169 | 43.26 | ng | | 98 |
| 59) Diethylphthalate | 15.62 | 149 | 261159 | 34.28 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204 | 122438 | 36.67 | ng | | 98 |
| 61) 4-Nitroaniline | 15.88 | 138 | 59805 | 35.21 | ng | | 96 |
| 62) Azobenzene | 16.14 | 77 | 244871 | 37.50 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.94 | 198 | 24127 | 32.94 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 16.07 | 169 | 221363 | 39.53 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 16.74 | 248 | 79983 | 39.98 | ng | | 94 |
| 67) Hexachlorobenzene | 16.86 | 284 | 82847 | 39.23 | ng | | 96 |
| 68) Atrazine | 17.00 | 200 | 84113 | 38.03 | ng | | 99 |
| 69) Pentachlorophenol | 17.21 | 266 | 86518 | 71.76 | ng | | 95 |
| 70) Phenanthrene | 17.60 | 178 | 380220 | 36.95 | ng | | 99 |
| 71) Anthracene | 17.69 | 178 | 385070 | 36.86 | ng | | 96 |
| 72) Carbazole | 17.96 | 167 | 354204 | 36.33 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.50 | 149 | 426657 | 34.40 | ng | | 100 |
| 74) Fluoranthene | 19.59 | 202 | 427570 | 34.79 | ng | | 99 |
| 76) Benzidine | 19.77 | 184 | 199152 | 31.21 | ng | | 100 |
| 77) Pyrene | 19.96 | 202 | 441066 | 37.33 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 196754 | 35.87 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 438233 | 37.16 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.72 | 252 | 97676 | 10.46 | ng | | 96 |
| 82) Chrysene | 21.88 | 228 | 399626 | 35.27 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 283923 | 35.39 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.94 | 149 | 492944 | 36.68 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 499334 | 37.07 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 24.10 | 252 | 433209 | 36.92 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.17 | 252 | 408366 | 35.59 | ng | | 99 |
| 89) Benzo(a)pyrene | 25.01 | 252 | 419756 | 36.92 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.05 | 278 | 417455 | 36.62 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 30.19 | 276 | 412410 | 36.87 | ng | | 98 |

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

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