Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020985.D
Acq On : 19 Feb 2016 23:32
Operator : SJ/UM
Sample : PB88453BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB88453BSD

Manual Integrations APPROVED
UMANGI
2/22/2016 10:55:38 AM

Quant Time: Feb 20 02:32:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.26 | 152 | 19238 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.09 | 136 | 98717 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.87 | 164 | 63356 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.61 | 188 | 138466 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 129167 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.26 | 264 | 122202 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 107435 | 94.05 | ng | | 0.00 |
| 7) Phenol-d6 | 7.41 | 99 | 156751 | 93.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.43 | 82 | 125127 | 83.34 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.35 | 330 | 62249 | 99.91 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.50 | 172 | 360337 | 79.89 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.19 | 244 | 491162 | 88.71 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.63 | 88 | 13281 | 31.97 | ng | | 93 |
| 3) Pyridine | 4.04 | 79 | 41117 | 33.47 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.95 | 42 | 12084 | 37.59 | ng | | 94 |
| 6) Aniline | 7.58 | 93 | 32438 | 15.58 | ng | | 100 |
| 8) 2-Chlorophenol | 7.82 | 128 | 64522 | 45.21 | ng | | 99 |
| 9) Benzaldehyde | 7.39 | 77 | 8670 | 10.37 | ng | | 97 |
| 10) Phenol | 7.43 | 94 | 81162 | 45.93 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.67 | 93 | 55280 | 39.17 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.15 | 146 | 59230 | 39.26 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 8.30 | 146 | 61576 | 40.25 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.62 | 146 | 60162 | 40.43 | ng | | 99 |
| 15) Benzyl Alcohol | 8.50 | 79 | 46929 | 44.59 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.79 | 45 | 53707 | 36.48 | ng | | 98 |
| 17) 2-Methylphenol | 8.70 | 107 | 57446 | 45.13 | ng | | 97 |
| 18) Hexachloroethane | 9.36 | 117 | 21313 | 40.52 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 9.06 | 70 | 41820 | 38.82 | ng | # | 96 |
| 20) 3+4-Methylphenols | 9.03 | 107 | 80751 | 45.52 | ng | | 94 |
| 22) Acetophenone | 9.09 | 105 | 88942 | 37.38 | ng | # | 99 |
| 24) Nitrobenzene | 9.47 | 77 | 61017 | 38.99 | ng | | 97 |
| 25) Isophorone | 10.00 | 82 | 123428 | 39.00 | ng | | 98 |
| 26) 2-Nitrophenol | 10.19 | 139 | 35977 | 43.68 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.24 | 122 | 68636 | 43.49 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93 | 81022 | 41.55 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.72 | 162 | 68383 | 48.34 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.94 | 180 | 58146 | 40.81 | ng | | 98 |
| 31) Naphthalene | 11.14 | 128 | 208552 | 40.84 | ng | | 100 |
| 32) Benzoic acid | 10.37 | 122 | 51267 | 40.50 | ng | | 100 |
| 33) 4-Chloroaniline | 11.24 | 127 | 15560 | 7.08 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.41 | 225 | 29190 | 40.19 | ng | | 98 |
| 35) Caprolactam | 12.01 | 113 | 27631m | 50.98 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 79369 | 48.97 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.72 | 142 | 164086 | 45.79 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.08 | 216 | 68825 | 37.03 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.06 | 237 | 63387 | 77.52 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.31 | 196 | 56802 | 45.50 | ng | 99 |
| 43) 2,4,5-Trichlorophenol | 13.39 | 196 | 63081 | 48.06 | ng | 99 |
| 45) 1,1'-Biphenyl | 13.71 | 154 | 214389 | 38.36 | ng | 99 |
| 46) 2-Chloronaphthalene | 13.76 | 162 | 162537 | 40.62 | ng | 99 |
| 47) 2-Nitroaniline | 13.96 | 65 | 43485 | 45.38 | ng | 98 |
| 48) Acenaphthylene | 14.60 | 152 | 295513 | 42.47 | ng | 99 |
| 49) Dimethylphthalate | 14.32 | 163 | 219635 | 44.33 | ng | 99 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 49335 | 46.47 | ng | 98 |
| 51) Acenaphthene | 14.94 | 154 | 177767 | 42.14 | ng | 98 |
| 52) 3-Nitroaniline | 14.77 | 138 | 24247 | 19.66 | ng | 97 |
| 53) 2,4-Dinitrophenol | 14.98 | 184 | 47562 | 102.95 | ng | 89 |
| 54) Dibenzofuran | 15.27 | 168 | 269739 | 48.34 | ng | 99 |
| 55) 4-Nitrophenol | 15.07 | 139 | 93298 | 100.15 | ng | 98 |
| 56) 2,4-Dinitrotoluene | 15.22 | 165 | 69443 | 50.60 | ng | 95 |
| 57) Fluorene | 15.91 | 166 | 233822 | 45.50 | ng | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.49 | 232 | 54331 | 54.32 | ng | 99 |
| 59) Diethylphthalate | 15.67 | 149 | 236322 | 46.40 | ng | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.90 | 204 | 101831 | 44.62 | ng | 98 |
| 61) 4-Nitroaniline | 15.93 | 138 | 56890 | 45.94 | ng | 99 |
| 62) Azobenzene | 16.19 | 77 | 193119 | 48.23 | ng | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.98 | 198 | 31292 | 44.88 | ng | 98 |
| 65) n-Nitrosodiphenylamine | 16.11 | 169 | 198628 | 44.40 | ng | 98 |
| 66) 4-Bromophenyl-phenylether | 16.79 | 248 | 63165 | 43.19 | ng | 99 |
| 67) Hexachlorobenzene | 16.92 | 284 | 68961 | 44.31 | ng | 97 |
| 68) Atrazine | 17.05 | 200 | 60980 | 44.92 | ng | 99 |
| 69) Pentachlorophenol | 17.26 | 266 | 81243 | 91.07 | ng | 97 |
| 70) Phenanthrene | 17.65 | 178 | 347816 | 44.12 | ng | 99 |
| 71) Anthracene | 17.74 | 178 | 344032 | 43.00 | ng | 100 |
| 72) Carbazole | 18.01 | 167 | 321779 | 44.81 | ng | 100 |
| 73) Di-n-butylphthalate | 18.54 | 149 | 394075 | 42.80 | ng | 99 |
| 74) Fluoranthene | 19.64 | 202 | 365729 | 42.95 | ng | 98 |
| 76) Benzidine | 19.81 | 184 | 96652 | 23.14 | ng | 97 |
| 77) Pyrene | 20.00 | 202 | 378074 | 44.37 | ng | 99 |
| 79) Butylbenzylphthalate | 20.87 | 149 | 179015 | 43.89 | ng | 99 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 345840 | 44.85 | ng | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.77 | 252 | 44879 | 15.68 | ng | 98 |
| 82) Chrysene | 21.94 | 228 | 304090 | 41.93 | ng | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 261182 | 43.19 | ng | 100 |
| 84) Di-n-octyl phthalate | 23.01 | 149 | 435753 | 43.90 | ng | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 368693 | 44.21 | ng | 98 |
| 87) Benzo(b)fluoranthene | 24.18 | 252 | 335463 | 44.86 | ng | 99 |
| 88) Benzo(k)fluoranthene | 24.25 | 252 | 315251 | 43.02 | ng | 99 |
| 89) Benzo(a)pyrene | 25.10 | 252 | 316856 | 44.47 | ng | 100 |
| 90) Dibenzo(a,h)anthracene | 29.19 | 278 | 301321 | 43.49 | ng | 99 |
| 91) Benzo(g,h,i)perylene | 30.33 | 276 | 298847 | 43.45 | ng | 98 |

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

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