Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051115\
Data File : BG017056.D
Acq On : 11 May 2015 16:51
Operator : TP/IZ
Sample : G2176-20MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-26(3-5)MS

Quant Time: May 12 04:46:59 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 12 04:00:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 52312 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.55 | 136 | 213907 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.40 | 164 | 136234 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.15 | 188 | 308077 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.34 | 240 | 348041 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.63 | 264 | 336761 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 218474 | 72.72 | ng | | 0.00 |
| 7) Phenol-d6 | 6.95 | 99 | 305365 | 71.14 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.91 | 82 | 195766 | 44.71 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.90 | 330 | 117312 | 85.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.02 | 172 | 401332 | 44.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.78 | 244 | 656296 | 44.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 22597 | 17.95 | ng | # | 1 |
| 3) Pyridine | 3.63 | 79 | 67177 | 17.26 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.55 | 42 | 52122 | 22.43 | ng | | 90 |
| 6) Aniline | 7.08 | 93 | 108274 | 17.96 | ng | | 98 |
| 8) 2-Chlorophenol | 7.33 | 128 | 79186 | 22.75 | ng | | 94 |
| 9) Benzaldehyde | 6.89 | 77 | 45560 | 13.06 | ng | | 98 |
| 10) Phenol | 6.97 | 94 | 106591 | 23.16 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.18 | 93 | 75320 | 21.16 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.64 | 146 | 77834 | 20.28 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.79 | 146 | 82593 | 21.25 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.11 | 146 | 75050 | 20.12 | ng | # | 88 |
| 15) Benzyl Alcohol | 8.00 | 79 | 83778 | 21.37 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.29 | 45 | 123424 | 18.74 | ng | | 98 |
| 17) 2-Methylphenol | 8.22 | 107 | 71741 | 22.13 | ng | | 93 |
| 18) Hexachloroethane | 8.83 | 117 | 33167 | 20.76 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.56 | 70 | 70643 | 18.77 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.54 | 107 | 96985 | 21.71 | ng | | 91 |
| 22) Acetophenone | 8.58 | 105 | 116625 | 22.89 | ng | # | 98 |
| 24) Nitrobenzene | 8.96 | 77 | 99727 | 22.55 | ng | | 98 |
| 25) Isophorone | 9.47 | 82 | 189111 | 21.39 | ng | | 96 |
| 26) 2-Nitrophenol | 9.66 | 139 | 45016 | 25.00 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.74 | 122 | 82124 | 25.20 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.96 | 93 | 96778 | 21.69 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 10.21 | 162 | 74911 | 24.34 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.41 | 180 | 74622 | 22.86 | ng | | 95 |
| 31) Naphthalene | 10.60 | 128 | 238190 | 22.39 | ng | | 99 |
| 33) 4-Chloroaniline | 10.71 | 127 | 102843 | 20.93 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.88 | 225 | 44748 | 21.90 | ng | | 92 |
| 35) Caprolactam | 11.48 | 113 | 39031 | 24.41 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 11.87 | 107 | 97386 | 24.71 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.22 | 142 | 178074 | 21.97 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216 | 83858 | 22.77 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.56 | 237 | 102978 | 43.30 | ng | | 94 |
| 42) 2,4,6-Trichlorophenol | 12.83 | 196 | 66460 | 25.47 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 12.92 | 196 | 71283 | 25.73 | ng | | 99 |
| 45) 1,1'-Biphenyl | 13.23 | 154 | 230010 | 23.58 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.28 | 162 | 177898 | 23.03 | ng | | 98 |
| 47) 2-Nitroaniline | 13.49 | 65 | 72545 | 26.98 | ng | | 96 |
| 48) Acenaphthylene | 14.13 | 152 | 307184 | 22.83 | ng | | 97 |
| 49) Dimethylphthalate | 13.87 | 163 | 268168 | 26.36 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 13.99 | 165 | 55931 | 26.48 | ng | | 94 |
| 51) Acenaphthene | 14.47 | 154 | 183637 | 22.93 | ng | | 97 |
| 52) 3-Nitroaniline | 14.32 | 138 | 58810 | 24.47 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 14.52 | 184 | 13280 | 13.75 | ng | | 93 |
| 54) Dibenzofuran | 14.80 | 168 | 279686 | 24.60 | ng | | 93 |
| 55) 4-Nitrophenol | 14.66 | 139 | 104347 | 51.21 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 14.77 | 165 | 79760 | 29.52 | ng | | 91 |
| 57) Fluorene | 15.46 | 166 | 239670 | 23.81 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.04 | 232 | 61371 | 25.67 | ng | # | 77 |
| 59) Diethylphthalate | 15.23 | 149 | 262017 | 24.40 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.45 | 204 | 121627 | 24.05 | ng | | 98 |
| 61) 4-Nitroaniline | 15.48 | 138 | 71941 | 25.82 | ng | | 93 |
| 62) Azobenzene | 15.74 | 77 | 274492 | 24.68 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.54 | 198 | 32671 | 21.39 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 15.67 | 169 | 216099 | 22.98 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.34 | 248 | 74554 | 24.11 | ng | | 98 |
| 67) Hexachlorobenzene | 16.45 | 284 | 78827 | 24.17 | ng | | 96 |
| 68) Atrazine | 16.62 | 200 | 89081 | 26.32 | ng | | 99 |
| 69) Pentachlorophenol | 16.81 | 266 | 92817 | 43.84 | ng | | 99 |
| 70) Phenanthrene | 17.19 | 178 | 373148 | 23.54 | ng | | 97 |
| 71) Anthracene | 17.29 | 178 | 379034 | 23.70 | ng | | 97 |
| 72) Carbazole | 17.56 | 167 | 378538 | 24.89 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.12 | 149 | 486591 | 24.68 | ng | | 99 |
| 74) Fluoranthene | 19.22 | 202 | 456751 | 24.83 | ng | | 98 |
| 76) Benzidine | 19.40 | 184 | 382044 | 32.31 | ng | | 98 |
| 77) Pyrene | 19.58 | 202 | 470812 | 22.92 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.48 | 149 | 228273 | 23.38 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.32 | 228 | 449493 | 24.07 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.26 | 252 | 128080 | 17.57 | ng | | 97 |
| 82) Chrysene | 21.37 | 228 | 418423 | 23.93 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 305775 | 22.90 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.14 | 149 | 521422 | 23.24 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 25.98 | 276 | 478304 | 22.95 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 22.93 | 252 | 440912 | 23.50 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 22.98 | 252 | 416892 | 23.10 | ng | | 99 |
| 89) Benzo(a)pyrene | 23.53 | 252 | 414789 | 23.71 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 26.00 | 278 | 408416 | 22.86 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 26.70 | 276 | 389066 | 22.86 | ng | | 94 |

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

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