Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091715\
Data File : BG018721.D
Acq On : 17 Sep 2015 00:43
Operator : TP
Sample : G3651-07MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CPS033031MSD

**Manual Integrations APPROVED**
MMDadoda
9/17/2015 3:48:52 PM

Quant Time: Sep 17 06:01:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG091115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 11 10:44:16 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 53385 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.80 | 136 | 228785 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.63 | 164 | 157092 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.37 | 188 | 413175 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.63 | 240 | 422725 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.81 | 264 | 437303 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 112873 | 36.52 | ng | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 69850 | 15.76 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 255117 | 62.40 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 30022 | 14.19 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.25 | 172 | 700816 | 61.93 | ng | 0.00 |
| 78) Terphenyl-d14 | 19.98 | 244 | 1008564 | 62.65 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 14969 | 11.59 | ng | # 100 |
| 3) Pyridine | 3.87 | 79 | 44685 | 11.16 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 17154 | 12.30 | ng | # 76 |
| 6) Aniline | 7.32 | 93 | 144652 | 23.69 | ng | 99 |
| 8) 2-Chlorophenol | 7.57 | 128 | 82337 | 23.07 | ng | 94 |
| 9) Benzaldehyde | 7.14 | 77 | 46339 | 19.42 | ng | 92 |
| 10) Phenol | 7.19 | 94 | 30822 | 6.58 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 110602 | 30.49 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 107488 | 25.89 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 109528 | 26.31 | ng | 95 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 108617 | 27.32 | ng | 98 |
| 15) Benzyl Alcohol | 8.23 | 79 | 64968 | 20.34 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 127155 | 30.87 | ng | 97 |
| 17) 2-Methylphenol | 8.44 | 107 | 40808 | 12.55 | ng | 97 |
| 18) Hexachloroethane | 9.08 | 117 | 35849 | 24.08 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 89442 | 28.66 | ng | 96 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 47315 | 10.36 | ng | 97 |
| 22) Acetophenone | 8.82 | 105 | 178410 | 30.78 | ng | # 98 |
| 24) Nitrobenzene | 9.20 | 77 | 130246 | 30.00 | ng | 98 |
| 25) Isophorone | 9.72 | 82 | 261321 | 29.72 | ng | 100 |
| 26) 2-Nitrophenol | 9.93 | 139 | 18282 | 9.03 | ng | 93 |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 58865 | 16.00 | ng | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 161733 | 32.03 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.46 | 162 | 86146 | 23.18 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 118618 | 28.80 | ng | 95 |
| 31) Naphthalene | 10.85 | 128 | 360242 | 29.40 | ng | 99 |
| 33) 4-Chloroaniline | 10.96 | 127 | 190030 | 34.28 | ng | 97 |
| 34) Hexachlorobutadiene | 11.14 | 225 | 65465 | 26.96 | ng | 99 |
| 35) Caprolactam | 11.70 | 113 | 12856 | 8.04 | ng | 93 |
| 36) 4-Chloro-3-methylphenol | 12.09 | 107 | 58723 | 14.16 | ng | 90 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 278904 | 31.10 | ng | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 150637 | 30.23 | ng | 99 |
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 25191 | 7.30 | ng | 99 |
| 43) 2,4,5-Trichlorophenol | 13.15 | 196 | 72345m | 19.11 | ng | |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 13.46 | 154 | 387093 | 30.99 | ng | | 100 |
| 46) 2-Chloronaphthalene | 13.51 | 162 | 298077 | 30.97 | ng | | 99 |
| 47) 2-Nitroaniline | 13.71 | 65 | 93078 | 32.14 | ng | | 88 |
| 48) Acenaphthylene | 14.35 | 152 | 531106 | 31.22 | ng | | 98 |
| 49) Dimethylphthalate | 14.08 | 163 | 584162 | 44.91 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 95251 | 33.70 | ng | | 98 |
| 51) Acenaphthene | 14.69 | 154 | 304727 | 30.79 | ng | | 97 |
| 52) 3-Nitroaniline | 14.53 | 138 | 108544 | 32.14 | ng | | 90 |
| 54) Dibenzofuran | 15.02 | 168 | 522935 | 33.99 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 14.98 | 165 | 81508 | 20.34 | ng | # | 93 |
| 57) Fluorene | 15.68 | 166 | 427342 | 32.27 | ng | | 97 |
| 59) Diethylphthalate | 15.44 | 149 | 451225 | 33.26 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.66 | 204 | 210242 | 33.04 | ng | | 95 |
| 61) 4-Nitroaniline | 15.69 | 138 | 103102 | 28.31 | ng | | 96 |
| 62) Azobenzene | 15.96 | 77 | 386907 | 32.27 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 15.88 | 169 | 374152 | 31.27 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 141342 | 33.64 | ng | | 97 |
| 67) Hexachlorobenzene | 16.68 | 284 | 154839 | 33.91 | ng | | 95 |
| 68) Atrazine | 16.82 | 200 | 135828 | 28.55 | ng | | 98 |
| 70) Phenanthrene | 17.41 | 178 | 701586 | 32.28 | ng | | 99 |
| 71) Anthracene | 17.50 | 178 | 716011 | 32.54 | ng | | 98 |
| 72) Carbazole | 17.77 | 167 | 660993 | 31.03 | ng | | 100 |
| 73) Di-n-butylphthalate | 18.33 | 149 | 791000 | 31.49 | ng | | 99 |
| 74) Fluoranthene | 19.42 | 202 | 838825 | 31.17 | ng | | 97 |
| 76) Benzidine | 19.59 | 184 | 244405 | 19.25 | ng | | 97 |
| 77) Pyrene | 19.78 | 202 | 859150 | 33.07 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 335883 | 31.80 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.61 | 228 | 808435 | 33.22 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.52 | 252 | 205719 | 22.25 | ng | | 99 |
| 82) Chrysene | 21.67 | 228 | 733963 | 32.03 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 512134 | 33.61 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.71 | 149 | 858277 | 33.31 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.44 | 276 | 949067 | 32.61 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.81 | 252 | 837780 | 33.04 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.87 | 252 | 801980 | 31.57 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.66 | 252 | 800810 | 33.19 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 28.50 | 278 | 770741 | 32.44 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.58 | 276 | 773522 | 31.97 | ng | | 97 |

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

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