Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061215\
Data File : BG017664.D
Acq On : 13 Jun 2015 8:23
Operator : TP/IZ
Sample : G2522-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-19MSD

**Manual Integrations APPROVED**
apatel
6/15/2015 4:40:26 PM

Quant Time: Jun 15 04:44:53 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 13 02:22:44 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 19322 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.32 | 136 | 73085 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.20 | 164 | 58219 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.97 | 188 | 159071 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.17 | 240 | 235659 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.36 | 264 | 223581 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.11 | 112 | 82796 | 82.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.74 | 99 | 76365 | 52.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.69 | 82 | 178828 | 102.71 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.71 | 330 | 165245 | 164.43 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.82 | 172 | 415711 | 98.76 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.61 | 244 | 1072527 | 94.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.95 | 88 | 10729 | 21.59 | ng | # | 90 |
| 3) Pyridine | 3.35 | 79 | 22904 | 17.81 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.28 | 42 | 15674 | 21.19 | ng | # | 95 |
| 6) Aniline | 6.86 | 93 | 37130 | 19.07 | ng | # | 85 |
| 8) 2-Chlorophenol | 7.10 | 128 | 51009 | 42.12 | ng | | 94 |
| 9) Benzaldehyde | 6.67 | 77 | 3910 | 3.96 | ng | | 92 |
| 10) Phenol | 6.77 | 94 | 28969 | 19.05 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.96 | 93 | 52944 | 46.96 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.41 | 146 | 57977m | 40.98 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.56 | 146 | 61680 | 41.39 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 7.88 | 146 | 58546 | 42.27 | ng | | 93 |
| 15) Benzyl Alcohol | 7.78 | 79 | 51363 | 31.88 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.07 | 45 | 21436 | 47.46 | ng | | 92 |
| 17) 2-Methylphenol | 8.01 | 107 | 39094 | 35.48 | ng | | 95 |
| 18) Hexachloroethane | 8.59 | 117 | 25633 | 41.42 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 8.34 | 70 | 60112 | 45.84 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.33 | 107 | 50127 | 33.05 | ng | # | 87 |
| 22) Acetophenone | 8.36 | 105 | 100357 | 52.10 | ng | # | 94 |
| 24) Nitrobenzene | 8.73 | 77 | 105854 | 56.13 | ng | | 97 |
| 25) Isophorone | 9.26 | 82 | 154317 | 47.19 | ng | | 95 |
| 26) 2-Nitrophenol | 9.44 | 139 | 32776 | 45.22 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.53 | 122 | 52838 | 45.31 | ng | # | 95 |
| 28) bis(2-Chloroethoxy)methane | 9.74 | 93 | 72233 | 50.99 | ng | | 92 |
| 29) 2,4-Dichlorophenol | 9.99 | 162 | 67554 | 54.33 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.19 | 180 | 77114 | 47.98 | ng | | 96 |
| 31) Naphthalene | 10.37 | 128 | 189143 | 47.95 | ng | # | 96 |
| 32) Benzoic acid | 9.68 | 122 | 7444 | 10.74 | ng | # | 63 |
| 33) 4-Chloroaniline | 10.50 | 127 | 29638 | 18.35 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.66 | 225 | 61342 | 44.49 | ng | | 97 |
| 35) Caprolactam | 11.27 | 113 | 5029m | 8.81 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.65 | 107 | 78211 | 49.19 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.00 | 142 | 151942 | 48.18 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 115644 | 49.34 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.35 | 237 | 89149 | 84.40 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.64 | 196 | 70407 | 48.44 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 12.73 | 196 | 75990 | 49.98 | ng | | 91 |
| 45) 1,1'-Biphenyl | 13.03 | 154 | 216116 | 50.62 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.07 | 162 | 169610 | 47.88 | ng | | 96 |
| 47) 2-Nitroaniline | 13.29 | 65 | 64063 | 51.22 | ng | | 95 |
| 48) Acenaphthylene | 13.93 | 152 | 279178 | 46.37 | ng | | 99 |
| 49) Dimethylphthalate | 13.68 | 163 | 256978 | 51.55 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 13.80 | 165 | 58529 | 53.54 | ng | | 95 |
| 51) Acenaphthene | 14.27 | 154 | 171445 | 47.95 | ng | | 98 |
| 52) 3-Nitroaniline | 14.13 | 138 | 19694 | 20.16 | ng | # | 95 |
| 53) 2,4-Dinitrophenol | 14.35 | 184 | 76026 | 100.99 | ng | | 94 |
| 54) Dibenzofuran | 14.61 | 168 | 303108 | 51.34 | ng | | 97 |
| 55) 4-Nitrophenol | 14.50 | 139 | 27162 | 43.59 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 14.60 | 165 | 82767 | 52.17 | ng | | 97 |
| 57) Fluorene | 15.26 | 166 | 256411 | 50.62 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 82186 | 49.64 | ng | | 95 |
| 59) Diethylphthalate | 15.05 | 149 | 273995 | 49.53 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204 | 170324 | 53.70 | ng | | 98 |
| 61) 4-Nitroaniline | 15.30 | 138 | 33619 | 32.29 | ng | # | 78 |
| 62) Azobenzene | 15.56 | 77 | 301864 | 50.28 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 65049 | 50.90 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 15.48 | 169 | 238606 | 51.48 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.15 | 248 | 113973 | 53.87 | ng | | 97 |
| 67) Hexachlorobenzene | 16.27 | 284 | 117653 | 51.10 | ng | | 93 |
| 68) Atrazine | 16.44 | 200 | 114846 | 50.25 | ng | | 100 |
| 69) Pentachlorophenol | 16.62 | 266 | 116879 | 107.81 | ng | | 94 |
| 70) Phenanthrene | 17.01 | 178 | 439068 | 49.46 | ng | | 98 |
| 71) Anthracene | 17.09 | 178 | 453330 | 51.43 | ng | | 97 |
| 72) Carbazole | 17.38 | 167 | 420764 | 52.06 | ng | | 100 |
| 73) Di-n-butylphthalate | 17.94 | 149 | 531873 | 53.77 | ng | | 98 |
| 74) Fluoranthene | 19.03 | 202 | 663191 | 52.21 | ng | | 99 |
| 76) Benzidine | 19.23 | 184 | 80674 | 14.65 | ng | | 98 |
| 77) Pyrene | 19.40 | 202 | 680214 | 51.12 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.31 | 149 | 258671 | 53.85 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.15 | 228 | 729626 | 50.19 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.09 | 252 | 99263 | 19.08 | ng | # | 96 |
| 82) Chrysene | 21.20 | 228 | 686671 | 52.37 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 370474 | 52.50 | ng | | 97 |
| 84) Di-n-octyl phthalate | 21.95 | 149 | 607655 | 51.69 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 834205 | 48.92 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 22.71 | 252 | 726743 | 50.43 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 22.75 | 252 | 704422 | 50.81 | ng | | 99 |
| 89) Benzo(a)pyrene | 23.27 | 252 | 696940 | 52.36 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 25.60 | 278 | 714137 | 51.85 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 26.28 | 276 | 667885 | 50.99 | ng | | 98 |

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

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