Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
Data File : BG024640.D
Acq On : 3 Nov 2016 00:29
Operator : UM/SJ
Sample : H5491-12MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GW-71-7.7-14.0MSD

Quant Time: Nov 03 02:35:27 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 117994 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.09 | 136 | 460453 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.88 | 164 | 343318 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.63 | 188 | 739388 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.92 | 240 | 1029069 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.35 | 264 | 1105169 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 451593 | 62.73 | ng | | 0.00 |
| 7) Phenol-d6 | 7.40 | 99 | 494413 | 50.07 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.44 | 82 | 737446 | 72.92 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 466803 | 91.01 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.51 | 172 | 1507873 | 73.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.21 | 244 | 2537642 | 73.69 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.67 | 88 | 77951 | 26.50 | ng | | 95 |
| 3) Pyridine | 4.07 | 79 | 183257 | 20.81 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.99 | 42 | 119691 | 26.26 | ng | # | 76 |
| 6) Aniline | 7.59 | 93 | 216552 | 17.31 | ng | | 97 |
| 8) 2-Chlorophenol | 7.83 | 128 | 281126 | 38.41 | ng | | 95 |
| 9) Benzaldehyde | 7.40 | 77 | 91714 | 15.03 | ng | | 85 |
| 10) Phenol | 7.43 | 94 | 236027 | 23.19 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.67 | 93 | 373764 | 48.87 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 8.15 | 146 | 404091 | 44.59 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.30 | 146 | 413305 | 46.18 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.62 | 146 | 401668 | 46.68 | ng | | 94 |
| 15) Benzyl Alcohol | 8.50 | 79 | 339107 | 36.91 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.80 | 45 | 618119 | 43.56 | ng | | 93 |
| 17) 2-Methylphenol | 8.70 | 107 | 234615 | 34.78 | ng | | 93 |
| 18) Hexachloroethane | 9.36 | 117 | 157382 | 45.74 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 9.07 | 70 | 336548 | 46.24 | ng | | 90 |
| 20) 3+4-Methylphenols | 9.02 | 107 | 307216 | 33.92 | ng | | 91 |
| 22) Acetophenone | 9.10 | 105 | 572889 | 48.44 | ng | # | 93 |
| 24) Nitrobenzene | 9.49 | 77 | 515668 | 45.83 | ng | | 98 |
| 25) Isophorone | 10.00 | 82 | 895165 | 47.59 | ng | | 98 |
| 26) 2-Nitrophenol | 10.20 | 139 | 167795 | 40.18 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.24 | 122 | 297860 | 40.74 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93 | 491913 | 50.54 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.73 | 162 | 325722 | 42.45 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.95 | 180 | 434065 | 47.69 | ng | | 98 |
| 31) Naphthalene | 11.15 | 128 | 1073198 | 46.73 | ng | | 98 |
| 32) Benzoic acid | 10.33 | 122 | 69608 | 11.43 | ng | # | 85 |
| 33) 4-Chloroaniline | 11.25 | 127 | 157702 | 15.81 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.41 | 225 | 329072 | 46.19 | ng | | 95 |
| 35) Caprolactam | 12.00 | 113 | 40678 | 14.48 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 367385 | 39.66 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.73 | 142 | 791393 | 47.22 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 535670 | 46.26 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.06 | 237 | 713930 | 109.48 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.32 | 196 | 290320 | 41.71 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.40 | 196 | 299814 | 39.84 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.72 | 154 | 1086196 | 45.59 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.77 | 162 | 864958 | 47.68 | ng | | 97 |
| 47) 2-Nitroaniline | 13.97 | 65 | 340159 | 45.79 | ng | | 93 |
| 48) Acenaphthylene | 14.61 | 152 | 1270523 | 45.67 | ng | | 99 |
| 49) Dimethylphthalate | 14.32 | 163 | 1111322 | 45.60 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.45 | 165 | 248087 | 47.68 | ng | | 89 |
| 51) Acenaphthene | 14.95 | 154 | 855593 | 41.25 | ng | | 97 |
| 52) 3-Nitroaniline | 14.79 | 138 | 121430 | 22.55 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 14.99 | 184 | 257332 | 68.25 | ng | | 97 |
| 54) Dibenzofuran | 15.28 | 168 | 1368763 | 47.74 | ng | | 99 |
| 55) 4-Nitrophenol | 15.07 | 139 | 232663 | 49.60 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 15.23 | 165 | 369701 | 48.90 | ng | | 94 |
| 57) Fluorene | 15.93 | 166 | 1099894 | 46.26 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.50 | 232 | 317050 | 40.64 | ng | # | 94 |
| 59) Diethylphthalate | 15.68 | 149 | 1151297 | 45.06 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204 | 637030 | 47.75 | ng | | 95 |
| 61) 4-Nitroaniline | 15.95 | 138 | 245580 | 41.75 | ng | | 97 |
| 62) Azobenzene | 16.20 | 77 | 1204009 | 47.24 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 199393 | 39.14 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 16.12 | 169 | 977799 | 48.37 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.80 | 248 | 447502 | 49.86 | ng | | 95 |
| 67) Hexachlorobenzene | 16.92 | 284 | 499116 | 50.32 | ng | | 92 |
| 68) Atrazine | 17.06 | 200 | 441234 | 50.89 | ng | | 97 |
| 69) Pentachlorophenol | 17.27 | 266 | 516163 | 78.87 | ng | | 98 |
| 70) Phenanthrene | 17.67 | 178 | 1806406 | 47.93 | ng | | 96 |
| 71) Anthracene | 17.76 | 178 | 1832241 | 48.19 | ng | | 99 |
| 72) Carbazole | 18.03 | 167 | 1678744 | 48.41 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 1896751 | 47.44 | ng | | 97 |
| 74) Fluoranthene | 19.66 | 202 | 2303777 | 48.36 | ng | | 98 |
| 76) Benzidine | 19.84 | 184 | 264679 | 10.92 | ng | | 96 |
| 77) Pyrene | 20.02 | 202 | 2364137 | 47.00 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 1019827 | 48.63 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 2705883 | 47.87 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.81 | 252 | 611531 | 26.81 | ng | # | 98 |
| 82) Chrysene | 21.97 | 228 | 2560210 | 47.55 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 1460066 | 48.67 | ng | | 100 |
| 84) Di-n-octyl phthalate | 23.04 | 149 | 2467774 | 49.57 | ng | | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 29.29 | 276 | 3563240 | 47.94 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 24.25 | 252 | 2917694 | 48.84 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 24.33 | 252 | 2734380 | 47.40 | ng | | 98 |
| 89) Benzo(a)pyrene | 25.19 | 252 | 2774520 | 47.53 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 29.37 | 278 | 2987833 | 46.63 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 30.53 | 276 | 2945132 | 46.01 | ng | | 95 |

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

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