Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110217\
Data File : BG030673.D
Acq On : 2 Nov 2017 21:54
Operator : SJ/JU
Sample : PB103830BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB103830BS

**Manual Integrations APPROVED**
Sohil
11/3/2017 1:24:55 PM

Quant Time: Nov 03 02:11:31 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 17:41:24 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 62382 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.97 | 136 | 280841 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.77 | 164 | 199990 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.51 | 188 | 507732 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.78 | 240 | 554077 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.08 | 264 | 574204 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 382743 | 102.50 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 517077 | 98.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 285596 | 64.62 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.26 | 330 | 284068 | 110.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 855608 | 62.75 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.10 | 244 | 1509946 | 62.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 46030 | 30.381 | ng | # | 83 |
| 3) Pyridine | 3.97 | 79 | 125582 | 28.463 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 56731 | 27.507 | ng | # | 95 |
| 6) Aniline | 7.47 | 93 | 110391 | 17.008 | ng | | 93 |
| 8) 2-Chlorophenol | 7.72 | 128 | 131607 | 30.747 | ng | | 92 |
| 9) Benzaldehyde | 7.28 | 77 | 57696 | 21.884 | ng | | 95 |
| 10) Phenol | 7.34 | 94 | 176912 | 31.307 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 122850 | 29.839 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 136026 | 28.306 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 138371 | 28.203 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 135021 | 28.532 | ng | | 95 |
| 15) Benzyl Alcohol | 8.39 | 79 | 115831 | 31.358 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 189566 | 27.112 | ng | | 95 |
| 17) 2-Methylphenol | 8.59 | 107 | 118576 | 31.588 | ng | | 94 |
| 18) Hexachloroethane | 9.25 | 117 | 49111 | 29.373 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 99745 | 27.987 | ng | # | 96 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 167889 | 31.741 | ng | | 94 |
| 22) Acetophenone | 8.98 | 105 | 191990 | 28.367 | ng | # | 94 |
| 24) Nitrobenzene | 9.36 | 77 | 146036 | 29.389 | ng | # | 91 |
| 25) Isophorone | 9.88 | 82 | 279908 | 30.339 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.07 | 139 | 73841 | 31.092 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 138874 | 32.320 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 178165 | 31.493 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 155402 | 33.915 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 151657 | 30.636 | ng | | 98 |
| 31) Naphthalene | 11.02 | 128 | 416710 | 29.772 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 82413 | 22.906 | ng | | 87 |
| 33) 4-Chloroaniline | 11.13 | 127 | 89625 | 15.223 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 92993 | 30.214 | ng | | 97 |
| 35) Caprolactam | 11.88 | 113 | 56127m | 36.857 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 163726 | 32.488 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 336990 | 33.035 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 191636 | 26.246 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.95 | 237 | 201720 | 73.339 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.21 | 196 | 140311 | 30.611 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.29 | 196 | 154117 | 32.740 | ng | | 93 |
| 45) 1,1'-Biphenyl | 13.61 | 154 | 467786 | 27.213 | ng | | 100 |
| 46) 2-Chloronaphthalene | 13.65 | 162 | 364363 | 29.060 | ng | | 97 |
| 47) 2-Nitroaniline | 13.85 | 65 | 109562 | 31.813 | ng | # | 81 |
| 48) Acenaphthylene | 14.49 | 152 | 590315 | 30.082 | ng | | 99 |
| 49) Dimethylphthalate | 14.22 | 163 | 499919 | 32.038 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.34 | 165 | 110959 | 33.922 | ng | # | 77 |
| 51) Acenaphthene | 14.83 | 154 | 365626 | 28.637 | ng | | 99 |
| 52) 3-Nitroaniline | 14.67 | 138 | 71239 | 20.183 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 14.88 | 184 | 113070 | 64.201 | ng | # | 51 |
| 54) Dibenzofuran | 15.17 | 168 | 606287 | 33.264 | ng | | 99 |
| 55) 4-Nitrophenol | 14.97 | 139 | 191158 | 65.691 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 15.13 | 165 | 162318 | 36.657 | ng | # | 75 |
| 57) Fluorene | 15.81 | 166 | 473463 | 31.445 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 149164 | 37.981 | ng | # | 94 |
| 59) Diethylphthalate | 15.57 | 149 | 497088 | 31.966 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204 | 267833 | 33.363 | ng | | 94 |
| 61) 4-Nitroaniline | 15.83 | 138 | 118929 | 32.814 | ng | | 83 |
| 62) Azobenzene | 16.09 | 77 | 434679 | 33.148 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 81804 | 30.381 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 16.01 | 169 | 439509 | 28.897 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.69 | 248 | 180906 | 31.051 | ng | | 98 |
| 67) Hexachlorobenzene | 16.82 | 284 | 193288 | 29.289 | ng | | 95 |
| 68) Atrazine | 16.95 | 200 | 177188 | 32.650 | ng | | 99 |
| 69) Pentachlorophenol | 17.16 | 266 | 225253 | 59.417 | ng | | 99 |
| 70) Phenanthrene | 17.55 | 178 | 814952 | 31.070 | ng | | 98 |
| 71) Anthracene | 17.64 | 178 | 835159 | 31.709 | ng | | 99 |
| 72) Carbazole | 17.91 | 167 | 773773 | 30.583 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.45 | 149 | 894261 | 30.732 | ng | | 99 |
| 74) Fluoranthene | 19.55 | 202 | 1027918 | 33.506 | ng | | 97 |
| 76) Benzidine | 19.72 | 184 | 356333 | 21.300 | ng | | 96 |
| 77) Pyrene | 19.91 | 202 | 1051859 | 31.295 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 424271 | 29.628 | ng | | 86 |
| 80) Benzo(a)anthracene | 21.76 | 228 | 1048688 | 32.236 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.67 | 252 | 241338 | 17.974 | ng | | 98 |
| 82) Chrysene | 21.83 | 228 | 985978 | 31.648 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 589119 | 28.666 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.88 | 149 | 1016699 | 28.386 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 28.86 | 276 | 1249049 | 32.588 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 24.03 | 252 | 1067287 | 32.466 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.10 | 252 | 1038490 | 31.709 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.93 | 252 | 1026662 | 32.486 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.92 | 278 | 1047794 | 32.749 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 30.05 | 276 | 1047666 | 35.242 | ng | | 98 |

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

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