Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060617\
Data File : BG027253.D
Acq On : 6 Jun 2017 17:32
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
6/8/2017 8:24:50 AM

Quant Time: Jun 06 19:06:38 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:00:35 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.57 | 152 | 66170 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.39 | 136 | 317523 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.15 | 164 | 193437 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.90 | 188 | 405448 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 22.29 | 240 | 434221 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.98 | 264 | 403250 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.15 | 112 | 365328 | 84.25 | ng | | -0.01 |
| 7) Phenol-d6 | 7.70 | 99 | 548442 | 86.16 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.73 | 82 | 478636 | 94.80 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.63 | 330 | 218690 | 85.85 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.78 | 172 | 1140421 | 82.48 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.48 | 244 | 1359135 | 79.85 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.16 | 88 | 70554 | 39.240 | ng | # | 79 |
| 3) Pyridine | 4.54 | 79 | 229382 | 41.385 | ng | # | 73 |
| 4) n-Nitrosodimethylamine | 4.45 | 42 | 87712 | 42.740 | ng | # | 55 |
| 6) Aniline | 7.89 | 93 | 336337 | 41.960 | ng | # | 92 |
| 8) 2-Chlorophenol | 8.13 | 128 | 190720 | 41.653 | ng | | 90 |
| 9) Benzaldehyde | 7.71 | 77 | 186090 | 42.284 | ng | | 85 |
| 10) Phenol | 7.73 | 94 | 272944 | 41.931 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 7.97 | 93 | 220294 | 41.253 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 8.46 | 146 | 205684 | 39.827 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 8.60 | 146 | 212622 | 40.116 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.93 | 146 | 204497 | 39.558 | ng | | 96 |
| 15) Benzyl Alcohol | 8.79 | 79 | 196762 | 43.873 | ng | # | 85 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.08 | 45 | 320161 | 41.901 | ng | | 91 |
| 17) 2-Methylphenol | 8.98 | 107 | 191929 | 41.712 | ng | # | 87 |
| 18) Hexachloroethane | 9.66 | 117 | 75588 | 42.337 | ng | | 86 |
| 19) n-Nitroso-di-n-propylamine | 9.36 | 70 | 188065 | 42.234 | ng | # | 85 |
| 20) 3+4-Methylphenols | 9.31 | 107 | 271568 | 42.607 | ng | | 89 |
| 22) Acetophenone | 9.38 | 105 | 338082 | 41.635 | ng | # | 83 |
| 24) Nitrobenzene | 9.77 | 77 | 259744 | 45.157 | ng | # | 85 |
| 25) Isophorone | 10.29 | 82 | 499850 | 42.103 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.48 | 139 | 109519 | 46.456 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 10.52 | 122 | 216918 | 42.495 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.76 | 93 | 316093 | 41.119 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 11.02 | 162 | 202052 | 43.359 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 11.24 | 180 | 212808 | 41.242 | ng | | 99 |
| 31) Naphthalene | 11.44 | 128 | 696740 | 40.150 | ng | | 99 |
| 32) Benzoic acid | 10.64 | 122 | 154527 | 44.474 | ng | # | 88 |
| 33) 4-Chloroaniline | 11.53 | 127 | 297260 | 41.107 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.71 | 225 | 128378 | 40.482 | ng | | 98 |
| 35) Caprolactam | 12.32 | 113 | 72138 | 45.137 | ng | # | 75 |
| 36) 4-Chloro-3-methylphenol | 12.60 | 107 | 245213 | 41.984 | ng | | 91 |
| 37) 2-Methylnaphthalene | 13.00 | 142 | 504954m | 39.890 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.36 | 216 | 252172 | 41.847 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.34 | 237 | 131876 | 41.117 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.58 | 196 | 165108 | 45.173 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.66 | 196 | 183703 | 44.915 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.98 | 154 | 654957 | 41.482 | ng | | 97 |
| 46) 2-Chloronaphthalene | 14.04 | 162 | 492461 | 41.601 | ng | | 100 |
| 47) 2-Nitroaniline | 14.23 | 65 | 158264 | 47.153 | ng | # | 80 |
| 48) Acenaphthylene | 14.88 | 152 | 826194 | 41.239 | ng | | 98 |
| 49) Dimethylphthalate | 14.59 | 163 | 613909 | 40.008 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.71 | 165 | 135903 | 44.111 | ng | # | 78 |
| 51) Acenaphthene | 15.21 | 154 | 541880 | 41.583 | ng | | 98 |
| 52) 3-Nitroaniline | 15.04 | 138 | 137116 | 42.653 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 15.24 | 184 | 62139 | 50.331 | ng | # | 42 |
| 54) Dibenzofuran | 15.54 | 168 | 732348 | 40.216 | ng | | 91 |
| 55) 4-Nitrophenol | 15.32 | 139 | 106678 | 40.111 | ng | # | 56 |
| 56) 2,4-Dinitrotoluene | 15.49 | 165 | 175056 | 44.491 | ng | # | 87 |
| 57) Fluorene | 16.19 | 166 | 645461 | 39.906 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.76 | 232 | 155610 | 42.620 | ng | | 100 |
| 59) Diethylphthalate | 15.94 | 149 | 608361 | 39.747 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.18 | 204 | 324452 | 39.822 | ng | | 93 |
| 61) 4-Nitroaniline | 16.21 | 138 | 133779 | 41.361 | ng | # | 66 |
| 62) Azobenzene | 16.47 | 77 | 586457 | 41.341 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 16.25 | 198 | 94125 | 51.065 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 16.39 | 169 | 539932 | 42.477 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.07 | 248 | 203350 | 42.376 | ng | | 100 |
| 67) Hexachlorobenzene | 17.20 | 284 | 215643 | 41.779 | ng | | 90 |
| 68) Atrazine | 17.32 | 200 | 181543 | 42.709 | ng | | 98 |
| 69) Pentachlorophenol | 17.53 | 266 | 126043 | 41.660 | ng | | 97 |
| 70) Phenanthrene | 17.94 | 178 | 925053 | 40.552 | ng | | 96 |
| 71) Anthracene | 18.03 | 178 | 937172 | 41.008 | ng | | 99 |
| 72) Carbazole | 18.30 | 167 | 854690 | 39.652 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.83 | 149 | 896110 | 42.874 | ng | # | 93 |
| 74) Fluoranthene | 19.93 | 202 | 983280 | 40.349 | ng | | 94 |
| 76) Benzidine | 20.09 | 184 | 468135 | 35.789 | ng | | 97 |
| 77) Pyrene | 20.29 | 202 | 1003569 | 38.252 | ng | | 96 |
| 79) Butylbenzylphthalate | 21.18 | 149 | 398807 | 43.020 | ng | | 91 |
| 80) Benzo(a)anthracene | 22.27 | 228 | 1020130 | 41.196 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 22.16 | 252 | 401739 | 41.702 | ng | | 98 |
| 82) Chrysene | 22.34 | 228 | 966789 | 40.665 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 22.13 | 149 | 581940 | 41.539 | ng | | 99 |
| 84) Di-n-octyl phthalate | 23.52 | 149 | 983343 | 42.380 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 30.25 | 276 | 1188292 | 41.271 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 24.80 | 252 | 1051945 | 42.062 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 24.88 | 252 | 1017308 | 41.463 | ng | # | 94 |
| 89) Benzo(a)pyrene | 25.81 | 252 | 979180 | 41.591 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.34 | 278 | 1044109 | 42.366 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 31.59 | 276 | 990719 | 41.509 | ng | # | 91 |

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

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