Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\
Data File : BG027290.D
Acq On : 7 Jun 2017 19:18
Operator : SJ/MA
Sample : PB99548BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB99548BS

**Manual Integrations APPROVED**
mohammad
6/8/2017 2:22:58 PM

Quant Time: Jun 08 06:50:26 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 | 8.56 | 152 | 54578 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.38 | 136 | 274222 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 15.14 | 164 | 185403 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.89 | 188 | 416830 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 22.28 | 240 | 443204 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.97 | 264 | 407561 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.14 | 112 | 518993 | 145.11 | ng | | -0.02 |
| 7) Phenol-d6 | 7.69 | 99 | 756561 | 144.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.73 | 82 | 414315 | 95.02 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.62 | 330 | 338465 | 138.63 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.77 | 172 | 1062038 | 80.14 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.47 | 244 | 1452729 | 83.62 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.16 | 88 | 42933 | 28.95 | ng | # | 83 |
| 3) Pyridine | 4.53 | 79 | 135657 | 29.67 | ng | # | 73 |
| 4) n-Nitrosodimethylamine | 4.44 | 42 | 67195 | 39.70 | ng | # | 46 |
| 6) Aniline | 7.89 | 93 | 241256 | 36.49 | ng | # | 93 |
| 8) 2-Chlorophenol | 8.13 | 128 | 173186 | 45.86 | ng | | 92 |
| 9) Benzaldehyde | 7.71 | 77 | 82809 | 22.81 | ng | | 87 |
| 10) Phenol | 7.72 | 94 | 259956 | 48.42 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 7.96 | 93 | 169242 | 38.42 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 8.45 | 146 | 154941m | 36.37 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.59 | 146 | 161506 | 36.94 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.92 | 146 | 155260 | 36.41 | ng | | 93 |
| 15) Benzyl Alcohol | 8.79 | 79 | 175858 | 47.54 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.07 | 45 | 266213 | 42.24 | ng | | 93 |
| 17) 2-Methylphenol | 8.97 | 107 | 173563 | 45.73 | ng | # | 87 |
| 18) Hexachloroethane | 9.65 | 117 | 54657 | 37.12 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.35 | 70 | 149735 | 40.77 | ng | # | 85 |
| 20) 3+4-Methylphenols | 9.30 | 107 | 240620 | 45.77 | ng | | 88 |
| 22) Acetophenone | 9.37 | 105 | 275191 | 39.24 | ng | # | 84 |
| 24) Nitrobenzene | 9.77 | 77 | 210026 | 42.28 | ng | # | 86 |
| 25) Isophorone | 10.29 | 82 | 427385 | 41.68 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.48 | 139 | 89538 | 44.36 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 10.51 | 122 | 205079 | 46.52 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.76 | 93 | 266772 | 40.18 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 11.01 | 162 | 185153 | 46.01 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.24 | 180 | 165764 | 37.20 | ng | | 98 |
| 31) Naphthalene | 11.43 | 128 | 556691 | 37.14 | ng | | 99 |
| 32) Benzoic acid | 10.63 | 122 | 118039 | 40.26 | ng | # | 86 |
| 33) 4-Chloroaniline | 11.52 | 127 | 140081 | 22.43 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.70 | 225 | 96355 | 35.18 | ng | | 98 |
| 35) Caprolactam | 12.30 | 113 | 71527m | 51.82 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.59 | 107 | 236456 | 46.88 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.99 | 142 | 428421m | 39.19 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.35 | 216 | 208646 | 36.12 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.33 | 237 | 274146 | 89.18 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.58 | 196 | 153506 | 43.82 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.65 | 196 | 171035 | 43.63 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.97 | 154 | 576293 | 38.08 | ng | | 98 |
| 46) 2-Chloronaphthalene | 14.03 | 162 | 437349 | 38.55 | ng | | 99 |
| 47) 2-Nitroaniline | 14.22 | 65 | 153112 | 47.53 | ng | # | 87 |
| 48) Acenaphthylene | 14.87 | 152 | 714156 | 37.19 | ng | | 98 |
| 49) Dimethylphthalate | 14.58 | 163 | 605871 | 41.19 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.70 | 165 | 126587 | 43.03 | ng | # | 78 |
| 51) Acenaphthene | 15.21 | 154 | 500588 | 40.08 | ng | | 99 |
| 52) 3-Nitroaniline | 15.03 | 138 | 97475 | 33.11 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 15.23 | 184 | 101406 | 73.28 | ng | | 96 |
| 54) Dibenzofuran | 15.54 | 168 | 716617 | 41.06 | ng | | 92 |
| 55) 4-Nitrophenol | 15.31 | 139 | 214122 | 77.30 | ng | # | 58 |
| 56) 2,4-Dinitrotoluene | 15.48 | 165 | 177602 | 46.69 | ng | # | 86 |
| 57) Fluorene | 16.18 | 166 | 585495 | 37.77 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.75 | 232 | 160273 | 45.80 | ng | | 98 |
| 59) Diethylphthalate | 15.93 | 149 | 606815 | 41.36 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.17 | 204 | 302087 | 38.68 | ng | | 96 |
| 61) 4-Nitroaniline | 16.20 | 138 | 133547 | 42.83 | ng | # | 67 |
| 62) Azobenzene | 16.46 | 77 | 618626 | 45.50 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 16.24 | 198 | 85193 | 46.55 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 16.38 | 169 | 524648 | 40.15 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.07 | 248 | 200334 | 40.61 | ng | | 97 |
| 67) Hexachlorobenzene | 17.19 | 284 | 212296 | 40.01 | ng | | 91 |
| 68) Atrazine | 17.32 | 200 | 185230 | 42.39 | ng | | 96 |
| 69) Pentachlorophenol | 17.53 | 266 | 240017 | 77.17 | ng | | 97 |
| 70) Phenanthrene | 17.93 | 178 | 929300 | 39.63 | ng | | 96 |
| 71) Anthracene | 18.02 | 178 | 928504 | 39.52 | ng | | 98 |
| 72) Carbazole | 18.29 | 167 | 791414 | 35.71 | ng | | 95 |
| 73) Di-n-butylphthalate | 18.82 | 149 | 922733 | 42.94 | ng | # | 93 |
| 74) Fluoranthene | 19.92 | 202 | 973690 | 38.86 | ng | | 94 |
| 76) Benzidine | 20.09 | 184 | 344849 | 25.83 | ng | | 97 |
| 77) Pyrene | 20.29 | 202 | 1000988 | 37.38 | ng | | 95 |
| 79) Butylbenzylphthalate | 21.17 | 149 | 397446 | 42.00 | ng | | 93 |
| 80) Benzo(a)anthracene | 22.25 | 228 | 1000925 | 39.60 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 22.15 | 252 | 257744 | 26.21 | ng | # | 98 |
| 82) Chrysene | 22.33 | 228 | 930944 | 38.36 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 22.12 | 149 | 574148 | 40.15 | ng | | 99 |
| 84) Di-n-octyl phthalate | 23.50 | 149 | 980706 | 41.41 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 30.22 | 276 | 1157802 | 39.40 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 24.79 | 252 | 988487 | 39.11 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.87 | 252 | 976787 | 39.39 | ng | # | 93 |
| 89) Benzo(a)pyrene | 25.79 | 252 | 960718 | 40.38 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.30 | 278 | 999059 | 40.11 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 31.56 | 276 | 943292 | 39.10 | ng | # | 90 |

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

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