Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080040.D
Acq On : 17 Jun 2015 23:54
Operator : TP/IZ
Sample : G2651-09MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NC-HC-001MS

**Manual Integrations APPROVED**
apatel
6/18/2015 4:07:22 PM

Quant Time: Jun 18 01:29:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 16:41:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.34 | 152 | 43894 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.63 | 136 | 172406 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.40 | 164 | 85857 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.90 | 188 | 166175 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.79 | 240 | 192277 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 16.63 | 264 | 194116 | 20.00 | ng | | -0.11 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.96 | 112 | 355377 | 143.32 | ng | | 0.01 |
| 7) Phenol-d6 | 6.94 | 99 | 466725 | 141.44 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.90 | 82 | 285075 | 96.26 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.19 | 330 | 128344 | 152.87 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.70 | 172 | 597221 | 99.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.56 | 244 | 735300 | 89.31 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.24 | 88 | 36301 | 30.80 | ng | | 87 |
| 3) Pyridine | 4.06 | 79 | 89416 | 28.53 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.96 | 42 | 57162 | 38.37 | ng | | 92 |
| 6) Aniline | 7.00 | 93 | 180609 | 39.78 | ng | | 95 |
| 8) 2-Chlorophenol | 7.12 | 128 | 136935 | 47.78 | ng | | 92 |
| 9) Benzaldehyde | 6.88 | 77 | 88726 | 46.58 | ng | # | 74 |
| 10) Phenol | 6.96 | 94 | 151857 | 42.17 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.05 | 93 | 127475 | 44.62 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.28 | 146 | 150957m | 43.85 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.36 | 146 | 143467 | 43.82 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.51 | 146 | 139113m | 43.66 | ng | | |
| 15) Benzyl Alcohol | 7.46 | 79 | 127163 | 47.13 | ng | # | 79 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.60 | 45 | 192386 | 45.37 | ng | | 89 |
| 17) 2-Methylphenol | 7.57 | 107 | 109975 | 44.92 | ng | # | 84 |
| 18) Hexachloroethane | 7.86 | 117 | 46771 | 42.90 | ng | # | 72 |
| 19) n-Nitroso-di-n-propylamine | 7.73 | 70 | 96293 | 42.03 | ng | # | 80 |
| 20) 3+4-Methylphenols | 7.72 | 107 | 144949 | 45.88 | ng | | 86 |
| 22) Acetophenone | 7.74 | 105 | 194628 | 48.44 | ng | # | 83 |
| 24) Nitrobenzene | 7.91 | 77 | 139071 | 45.50 | ng | # | 63 |
| 25) Isophorone | 8.15 | 82 | 273858 | 45.95 | ng | # | 87 |
| 26) 2-Nitrophenol | 8.23 | 139 | 59499 | 46.50 | ng | # | 32 |
| 27) 2,4-Dimethylphenol | 8.25 | 122 | 118079 | 44.26 | ng | # | 76 |
| 28) bis(2-Chloroethoxy)methane | 8.36 | 93 | 170153 | 48.59 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 8.47 | 162 | 107689 | 47.13 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 8.57 | 180 | 116151 | 44.77 | ng | | 96 |
| 31) Naphthalene | 8.65 | 128 | 402704m | 44.68 | ng | | |
| 32) Benzoic acid | 8.32 | 122 | 61829 | 38.33 | ng | # | 71 |
| 33) 4-Chloroaniline | 8.69 | 127 | 133210m | 34.53 | ng | | |
| 34) Hexachlorobutadiene | 8.77 | 225 | 70048 | 43.84 | ng | | 99 |
| 35) Caprolactam | 9.03 | 113 | 33582 | 45.28 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 9.16 | 107 | 123535 | 47.94 | ng | # | 79 |
| 37) 2-Methylnaphthalene | 9.35 | 142 | 275476 | 47.25 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.51 | 216 | 115497 | 46.23 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.51 | 237 | 46870 | 39.86 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.62 | 196 | 81689 | 48.05 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.66 | 196 | 95420 | 48.72 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.81 | 154 | 328486 | 47.02 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.84 | 162 | 269036 | 47.47 | ng | | 96 |
| 47) 2-Nitroaniline | 9.92 | 65 | 79411 | 51.04 | ng | # | 68 |
| 48) Acenaphthylene | 10.26 | 152 | 438450 | 46.35 | ng | | 98 |
| 49) Dimethylphthalate | 10.09 | 163 | 343115 | 53.16 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.16 | 165 | 65929 | 50.95 | ng | # | 81 |
| 51) Acenaphthene | 10.44 | 154 | 273177 | 47.20 | ng | | 96 |
| 52) 3-Nitroaniline | 10.33 | 138 | 69121 | 46.30 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 10.44 | 184 | 39666 | 75.65 | ng | # | 1 |
| 54) Dibenzofuran | 10.61 | 168 | 391967 | 47.73 | ng | # | 91 |
| 55) 4-Nitrophenol | 10.48 | 139 | 122306 | 102.49 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 10.57 | 165 | 78017 | 47.51 | ng | # | 87 |
| 57) Fluorene | 10.95 | 166 | 295001 | 45.27 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.72 | 232 | 83209 | 50.32 | ng | | 93 |
| 59) Diethylphthalate | 10.80 | 149 | 321332 | 49.44 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.94 | 204 | 150307 | 48.00 | ng | | 97 |
| 61) 4-Nitroaniline | 10.95 | 138 | 70343 | 45.62 | ng | # | 68 |
| 62) Azobenzene | 11.10 | 77 | 317750 | 48.03 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.98 | 198 | 31379 | 40.07 | ng | # | 71 |
| 65) n-Nitrosodiphenylamine | 11.05 | 169 | 268634 | 49.64 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 11.43 | 248 | 86826 | 49.14 | ng | | 93 |
| 67) Hexachlorobenzene | 11.51 | 284 | 90725 | 46.20 | ng | # | 81 |
| 68) Atrazine | 11.57 | 200 | 85661 | 50.11 | ng | | 82 |
| 69) Pentachlorophenol | 11.70 | 266 | 109450 | 98.36 | ng | | 98 |
| 70) Phenanthrene | 11.93 | 178 | 459530 | 45.68 | ng | | 97 |
| 71) Anthracene | 11.98 | 178 | 475142 | 49.05 | ng | | 97 |
| 72) Carbazole | 12.13 | 167 | 430291 | 46.52 | ng | | 95 |
| 73) Di-n-butylphthalate | 12.45 | 149 | 525934 | 49.22 | ng | # | 98 |
| 74) Fluoranthene | 13.17 | 202 | 533416 | 49.78 | ng | | 89 |
| 76) Benzidine | 13.28 | 184 | 273095 | 50.81 | ng | | 98 |
| 77) Pyrene | 13.42 | 202 | 549598 | 46.42 | ng | | 96 |
| 79) Butylbenzylphthalate | 14.08 | 149 | 245777 | 51.70 | ng | | 88 |
| 80) Benzo(a)anthracene | 14.78 | 228 | 539834 | 46.09 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.72 | 252 | 200171 | 49.55 | ng | # | 95 |
| 82) Chrysene | 14.83 | 228 | 510385 | 47.25 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.75 | 149 | 371450 | 49.44 | ng | # | 92 |
| 84) Di-n-octyl phthalate | 15.52 | 149 | 658065 | 51.11 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 18.48 | 276 | 625952 | 45.95 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 16.09 | 252 | 522442 | 44.45 | ng | # | 86 |
| 88) Benzo(k)fluoranthene | 16.13 | 252 | 551067m | 46.04 | ng | | |
| 89) Benzo(a)pyrene | 16.55 | 252 | 531450 | 47.61 | ng | # | 87 |
| 90) Dibenzo(a,h)anthracene | 18.51 | 278 | 523361 | 45.81 | ng | # | 83 |
| 91) Benzo(g,h,i)perylene | 19.05 | 276 | 512019 | 44.39 | ng | # | 75 |

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

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