Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010617\
Data File : BF092126.D
Acq On : 6 Jan 2017 19:31
Operator : UM/SJ
Sample : I1025-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP10MSD

Manual Integrations APPROVED
Sohil
1/9/2017 10:48:08 AM

Quant Time: Jan 06 23:18:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration

1/9/2017 10:48:08 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.64 | 152 | 160289 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.93 | 136 | 644857 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.68 | 164 | 279791 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.16 | 188 | 377039 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.79 | 240 | 307377 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.16 | 264 | 327893 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 1862778 | 194.05 | ng | | 0.03 |
| 7) Phenol-d6 | 6.33 | 99 | 1978700 | 168.83 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 1514153 | 130.57 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.47 | 330 | 285374 | 123.25 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.01 | 172 | 1463389 | 111.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.75 | 244 | 1092710 | 86.22 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.15 | 88 | 290058 | 61.37 | ng | | 97 |
| 3) Pyridine | 2.80 | 79 | 924368 | 56.04 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.76 | 42 | 393100 | 63.18 | ng | | 99 |
| 6) Aniline | 6.31 | 93 | 323082 | 21.22 | ng | # | 44 |
| 8) 2-Chlorophenol | 6.45 | 128 | 643460 | 58.93 | ng | | 89 |
| 9) Benzaldehyde | 6.18 | 77 | 65665 | 7.45 | ng | | 99 |
| 10) Phenol | 6.34 | 94 | 971863 | 72.77 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.39 | 93 | 632120 | 59.48 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.58 | 146 | 646630 | 55.47 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.66 | 146 | 600904 | 50.64 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.81 | 146 | 626088 | 60.81 | ng | | 97 |
| 15) Benzyl Alcohol | 6.81 | 79 | 574114 | 63.04 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.94 | 45 | 1132115 | 71.54 | ng | | 74 |
| 17) 2-Methylphenol | 6.95 | 107 | 573319 | 65.28 | ng | | 97 |
| 18) Hexachloroethane | 7.16 | 117 | 288650 | 65.62 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.08 | 70 | 567369 | 72.76 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.11 | 107 | 789864 | 75.41 | ng | # | 70 |
| 22) Acetophenone | 7.06 | 105 | 1049899 | 66.01 | ng | # | 92 |
| 24) Nitrobenzene | 7.24 | 77 | 678683 | 54.95 | ng | | 98 |
| 25) Isophorone | 7.49 | 82 | 1304486 | 60.97 | ng | | 97 |
| 26) 2-Nitrophenol | 7.56 | 139 | 321703 | 52.81 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 468467 | 46.37 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.69 | 93 | 672053 | 51.80 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 426765 | 49.89 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.88 | 180 | 495482 | 52.85 | ng | | 95 |
| 31) Naphthalene | 7.96 | 128 | 1689184 | 57.23 | ng | | 99 |
| 33) 4-Chloroaniline | 8.02 | 127 | 161186 | 12.11 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.07 | 225 | 269162 | 54.39 | ng | | 99 |
| 35) Caprolactam | 8.38 | 113 | 132899 | 47.27 | ng | # | 58 |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 393843 | 40.01 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.64 | 142 | 936366 | 58.85 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.81 | 216 | 448042 | 63.38 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.80 | 237 | 206281 | 66.24 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 8.94 | 196 | 263410 | 53.28 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.00 | 196 | 238219 | 46.82 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.11 | 154 | 1173307 | 61.25 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.13 | 162 | 897443 | 59.15 | ng | | 98 |
| 47) 2-Nitroaniline | 9.24 | 65 | 244952 | 45.35 | ng | | 99 |
| 48) Acenaphthylene | 9.54 | 152 | 1304275 | 55.90 | ng | | 99 |
| 49) Dimethylphthalate | 9.42 | 163 | 1123163 | 62.76 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.48 | 165 | 192158 | 49.06 | ng | # | 66 |
| 51) Acenaphthene | 9.72 | 154 | 837256 | 52.93 | ng | | 99 |
| 52) 3-Nitroaniline | 9.65 | 138 | 152337 | 31.43 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.76 | 184 | 15306 | 7.02 | ng | # | 74 |
| 54) Dibenzofuran | 9.89 | 168 | 1130846 | 52.94 | ng | | 97 |
| 55) 4-Nitrophenol | 9.85 | 139 | 267141m | 81.17 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.88 | 165 | 238676 | 48.55 | ng | # | 69 |
| 57) Fluorene | 10.23 | 166 | 831793 | 53.52 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.01 | 232 | 184503 | 45.85 | ng | # | 99 |
| 59) Diethylphthalate | 10.12 | 149 | 897167 | 51.62 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.22 | 204 | 342957 | 50.40 | ng | | 98 |
| 61) 4-Nitroaniline | 10.26 | 138 | 184340 | 36.70 | ng | | 76 |
| 62) Azobenzene | 10.38 | 77 | 955397 | 49.93 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.29 | 198 | 57638 | 25.28 | ng | # | 65 |
| 65) n-Nitrosodiphenylamine | 10.34 | 169 | 687660 | 61.46 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.71 | 248 | 241121 | 61.48 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.78 | 284 | 238359 | 56.86 | ng | # | 83 |
| 68) Atrazine | 10.88 | 200 | 220749 | 61.17 | ng | | 96 |
| 69) Pentachlorophenol | 10.97 | 266 | 192198 | 93.43 | ng | | 98 |
| 70) Phenanthrene | 11.18 | 178 | 1047165 | 51.22 | ng | | 99 |
| 71) Anthracene | 11.24 | 178 | 1166945 | Below Cal | | | 98 |
| 72) Carbazole | 11.40 | 167 | 1016260 | Below Cal | | | 98 |
| 73) Di-n-butylphthalate | 11.73 | 149 | 1210266 | 64.23 | ng | | 99 |
| 74) Fluoranthene | 12.37 | 202 | 1125806 | 64.42 | ng | | 91 |
| 76) Benzidine | 12.49 | 184 | 423680 | 57.70 | ng | | 96 |
| 77) Pyrene | 12.59 | 202 | 1104841 | 48.99 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.23 | 149 | 557076 | 54.31 | ng | # | 81 |
| 80) Benzo(a)anthracene | 13.77 | 228 | 1024271 | 59.03 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.75 | 252 | 256827 | 39.03 | ng | # | 95 |
| 82) Chrysene | 13.81 | 228 | 895261 | 51.44 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149 | 714067 | 59.11 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 1315604 | 58.79 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.43 | 276 | 907397 | 60.18 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.78 | 252 | 1013905m | 49.67 | ng | | |
| 88) Benzo(k)fluoranthene | 14.80 | 252 | 964020m | 55.38 | ng | | |
| 89) Benzo(a)pyrene | 15.10 | 252 | 941243 | 51.95 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.44 | 278 | 734495 | 49.32 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.80 | 276 | 754328 | 48.71 | ng | # | 95 |

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

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