Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090239.D
Acq On : 27 Sep 2016 1:12
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
sohil
9/27/2016 1:06:35 PM

Quant Time: Sep 27 01:49:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.48 | 152 | 139239 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.77 | 136 | 537767 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.52 | 164 | 262668 | 20.00 | ng | | 0.01 |
| 63) Phenanthrene-d10 | 10.98 | 188 | 385348 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.60 | 240 | 255713 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.91 | 264 | 261833 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.03 | 112 | 679431 | 79.54 | ng | | 0.00 |
| 7) Phenol-d6 | 6.15 | 99 | 860605 | 81.58 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 761920 | 82.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.30 | 330 | 168196 | 74.64 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.86 | 172 | 1282813 | 95.88 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.56 | 244 | 768797 | 76.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.84 | 88 | 162643 | 35.09 | ng | | 97 |
| 3) Pyridine | 2.42 | 79 | 419770 | 41.76 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.39 | 42 | 121190 | 40.40 | ng | | 98 |
| 6) Aniline | 6.14 | 93 | 520212 | 39.56 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.26 | 128 | 373315 | 37.98 | ng | | 93 |
| 9) Benzaldehyde | 6.02 | 77 | 204854 | 44.56 | ng | | 90 |
| 10) Phenol | 6.16 | 94 | 538120 | 43.15 | ng | # | 62 |
| 11) bis(2-Chloroethyl)ether | 6.23 | 93 | 348729 | 35.86 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.42 | 146 | 403588 | 39.30 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.50 | 146 | 416825 | 39.76 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.65 | 146 | 351785m | 37.67 | ng | | |
| 15) Benzyl Alcohol | 6.64 | 79 | 230816 | 36.69 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.78 | 45 | 451781 | 38.87 | ng | | 76 |
| 17) 2-Methylphenol | 6.76 | 107 | 291065 | 37.60 | ng | | 98 |
| 18) Hexachloroethane | 6.99 | 117 | 129224 | 34.56 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 6.92 | 70 | 263925 | 42.59 | ng | | 97 |
| 20) 3+4-Methylphenols | 6.92 | 107 | 371369 | 39.95 | ng | | 95 |
| 22) Acetophenone | 6.91 | 105 | 517846 | 39.93 | ng | | 96 |
| 24) Nitrobenzene | 7.07 | 77 | 334535 | 34.61 | ng | | 99 |
| 25) Isophorone | 7.32 | 82 | 736497 | 38.00 | ng | | 99 |
| 26) 2-Nitrophenol | 7.39 | 139 | 188913 | 39.69 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.45 | 122 | 308162 | 36.44 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.54 | 93 | 426201 | 36.35 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.64 | 162 | 307182 | 41.41 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.71 | 180 | 288211 | 38.90 | ng | | 100 |
| 31) Naphthalene | 7.79 | 128 | 1021091 | 39.88 | ng | | 100 |
| 32) Benzoic acid | 7.60 | 122 | 222107 | 38.26 | ng | | 97 |
| 33) 4-Chloroaniline | 7.85 | 127 | 388427 | 36.57 | ng | | 99 |
| 34) Hexachlorobutadiene | 7.92 | 225 | 157312 | 40.25 | ng | | 98 |
| 35) Caprolactam | 8.24 | 113 | 93179 | 37.95 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.35 | 107 | 349034 | 41.64 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.48 | 142 | 597725 | 37.54 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.65 | 216 | 260066 | 43.14 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.64 | 237 | 29186 | 9.81 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.76 | 196 | 181704 | 42.29 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 8.81 | 196 | 193326 | 43.46 | ng | | 96 |
| 45) 1,1'-Biphenyl | 8.95 | 154 | 736315 | 39.18 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.97 | 162 | 623138 | 44.95 | ng | | 97 |
| 47) 2-Nitroaniline | 9.07 | 65 | 194746 | 46.59 | ng | | 98 |
| 48) Acenaphthylene | 9.37 | 152 | 861523 | 38.26 | ng | | 99 |
| 49) Dimethylphthalate | 9.27 | 163 | 723245 | 43.23 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.31 | 165 | 145168 | 38.93 | ng | | 97 |
| 51) Acenaphthene | 9.55 | 154 | 543529 | 40.67 | ng | | 98 |
| 52) 3-Nitroaniline | 9.48 | 138 | 202507 | 46.32 | ng | | 89 |
| 53) 2,4-Dinitrophenol | 9.59 | 184 | 18264 | 11.56 | ng | # | 76 |
| 54) Dibenzofuran | 9.71 | 168 | 697787 | 39.68 | ng | | 94 |
| 55) 4-Nitrophenol | 9.66 | 139 | 104613 | 34.93 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 9.71 | 165 | 161643 | 36.66 | ng | | 94 |
| 57) Fluorene | 10.06 | 166 | 540142 | 40.75 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.84 | 232 | 122206 | 36.69 | ng | | 99 |
| 59) Diethylphthalate | 9.95 | 149 | 645445 | 39.95 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.06 | 204 | 230707 | 38.17 | ng | | 95 |
| 61) 4-Nitroaniline | 10.09 | 138 | 187068 | 41.98 | ng | | 90 |
| 62) Azobenzene | 10.22 | 77 | 675145 | 40.14 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.12 | 198 | 33208 | 13.76 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 10.18 | 169 | 564323 | 44.53 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.54 | 248 | 154952 | 40.86 | ng | # | 72 |
| 67) Hexachlorobenzene | 10.60 | 284 | 184972 | 41.85 | ng | # | 86 |
| 68) Atrazine | 10.72 | 200 | 136301 | 39.25 | ng | | 94 |
| 69) Pentachlorophenol | 10.80 | 266 | 92441 | 36.85 | ng | | 96 |
| 70) Phenanthrene | 11.00 | 178 | 719187 | 39.91 | ng | | 99 |
| 71) Anthracene | 11.05 | 178 | 755185 | 39.95 | ng | | 99 |
| 72) Carbazole | 11.22 | 167 | 763813 | 38.22 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.56 | 149 | 919614 | 39.58 | ng | | 99 |
| 74) Fluoranthene | 12.18 | 202 | 681578 | 35.23 | ng | | 92 |
| 76) Benzidine | 12.32 | 184 | 338072 | 39.50 | ng | | 99 |
| 77) Pyrene | 12.40 | 202 | 638177 | 36.47 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.05 | 149 | 360739 | 42.15 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.59 | 228 | 561484 | 40.81 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.56 | 252 | 246226 | 43.40 | ng | # | 95 |
| 82) Chrysene | 13.62 | 228 | 550937 | 41.11 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.61 | 149 | 470091 | 42.92 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.22 | 149 | 843324 | 44.69 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.06 | 276 | 522210 | 48.19 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 14.57 | 252 | 516411m | 35.62 | ng | | |
| 88) Benzo(k)fluoranthene | 14.61 | 252 | 574037m | 42.19 | ng | | |
| 89) Benzo(a)pyrene | 14.87 | 252 | 524505 | 38.46 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.08 | 278 | 441269 | 41.46 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.40 | 276 | 413073 | 39.65 | ng | | 97 |

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

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