Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\
Data File : BF082122.D
Acq On : 8 Oct 2015 11:12
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 09 05:03:34 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 02:46:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 100240 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.15 | 136 | 401659 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 203557 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 401195 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.05 | 240 | 367424 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.49 | 264 | 302564 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 405054 | 73.35 | ng | | -0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 516693 | 74.36 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 491902 | 81.64 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 147174 | 71.39 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1014400 | 83.01 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.98 | 244 | 1004048 | 89.59 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.42 | 88 | 92312 | 38.44 | ng | | 87 |
| 3) Pyridine | 3.15 | 79 | 224565 | 35.92 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.12 | 42 | 93584 | 32.96 | ng | | 96 |
| 6) Aniline | 6.53 | 93 | 338822 | 36.30 | ng | # | 87 |
| 8) 2-Chlorophenol | 6.65 | 128 | 231401 | 37.95 | ng | | 94 |
| 9) Benzaldehyde | 6.41 | 77 | 143076 | 31.44 | ng | # | 79 |
| 10) Phenol | 6.51 | 94 | 273452 | 35.08 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 251254 | 41.57 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 271032m | 37.63 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 292557m | 38.90 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 259185 | 38.67 | ng | | 98 |
| 15) Benzyl Alcohol | 7.01 | 79 | 178139 | 35.52 | ng | # | 76 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 317353 | 37.14 | ng | | 82 |
| 17) 2-Methylphenol | 7.12 | 107 | 189536 | 38.34 | ng | # | 86 |
| 18) Hexachloroethane | 7.37 | 117 | 93499 | 39.71 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 160366 | 37.97 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 234232 | 37.51 | ng | # | 59 |
| 22) Acetophenone | 7.28 | 105 | 309218 | 37.65 | ng | # | 77 |
| 24) Nitrobenzene | 7.45 | 77 | 238126 | 36.40 | ng | # | 67 |
| 25) Isophorone | 7.69 | 82 | 465468 | 38.98 | ng | # | 89 |
| 26) 2-Nitrophenol | 7.77 | 139 | 138074 | 43.96 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 204911 | 37.09 | ng | # | 81 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 292200 | 41.20 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 220816 | 41.22 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 231590 | 38.72 | ng | | 97 |
| 31) Naphthalene | 8.17 | 128 | 642302 | 36.09 | ng | | 97 |
| 32) Benzoic acid | 7.93 | 122 | 110648 | 35.70 | ng | # | 70 |
| 33) 4-Chloroaniline | 8.23 | 127 | 303675 | 39.46 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 137536 | 38.88 | ng | | 97 |
| 35) Caprolactam | 8.61 | 113 | 59595 | 40.18 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 218563 | 41.72 | ng | | 83 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 488944 | 40.25 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 227529 | 36.41 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 111905 | 34.77 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 154190 | 35.99 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 177180 | 40.22 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.34 | 154 | 602688 | 38.38 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 488666 | 39.63 | ng | | 96 |
| 47) 2-Nitroaniline | 9.46 | 65 | 138957 | 38.39 | ng | | 93 |
| 48) Acenaphthylene | 9.77 | 152 | 730125 | 36.99 | ng | | 96 |
| 49) Dimethylphthalate | 9.63 | 163 | 517426 | 36.83 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 131678 | 43.17 | ng | # | 86 |
| 51) Acenaphthene | 9.94 | 154 | 450805 | 38.47 | ng | | 90 |
| 52) 3-Nitroaniline | 9.87 | 138 | 150784 | 42.72 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 51176 | 47.75 | ng | # | 78 |
| 54) Dibenzofuran | 10.11 | 168 | 621479 | 37.52 | ng | # | 87 |
| 55) 4-Nitrophenol | 10.03 | 139 | 80590 | 31.60 | ng | # | 76 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 161907 | 41.63 | ng | # | 83 |
| 57) Fluorene | 10.46 | 166 | 497021 | 41.81 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 140194 | 40.12 | ng | | 95 |
| 59) Diethylphthalate | 10.33 | 149 | 532981 | 40.61 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 229573 | 37.86 | ng | # | 80 |
| 61) 4-Nitroaniline | 10.49 | 138 | 146824 | 41.49 | ng | # | 54 |
| 62) Azobenzene | 10.61 | 77 | 502030 | 39.19 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 88607 | 48.54 | ng | # | 64 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 451064 | 37.16 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 156021 | 38.57 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.01 | 284 | 173315 | 37.96 | ng | # | 78 |
| 68) Atrazine | 11.10 | 200 | 139396 | 37.01 | ng | | 83 |
| 69) Pentachlorophenol | 11.20 | 266 | 94862 | 36.47 | ng | | 98 |
| 70) Phenanthrene | 11.42 | 178 | 742904 | 38.23 | ng | | 96 |
| 71) Anthracene | 11.47 | 178 | 841428 | 41.26 | ng | | 97 |
| 72) Carbazole | 11.63 | 167 | 755808 | 40.95 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 829401 | 44.10 | ng | # | 98 |
| 74) Fluoranthene | 12.61 | 202 | 797622 | 37.11 | ng | | 92 |
| 76) Benzidine | 12.74 | 184 | 451283 | 40.76 | ng | | 98 |
| 77) Pyrene | 12.84 | 202 | 820569 | 37.38 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 371603 | 44.99 | ng | # | 80 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 746625 | 37.74 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 281174 | 42.08 | ng | # | 91 |
| 82) Chrysene | 14.07 | 228 | 809717 | 49.35 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 518700 | 50.06 | ng | # | 92 |
| 84) Di-n-octyl phthalate | 14.63 | 149 | 882256 | 52.33 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 615586 | 39.77 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 611984 | 35.43 | ng | # | 87 |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 710957m | 44.90 | ng | | |
| 89) Benzo(a)pyrene | 15.42 | 252 | 600507 | 40.08 | ng | # | 87 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 505180 | 40.18 | ng | # | 81 |
| 91) Benzo(g,h,i)perylene | 17.34 | 276 | 496522 | 38.54 | ng | # | 77 |

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

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