Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090369.D
Acq On : 5 Oct 2016 3:45
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
sohil
10/5/2016 7:27:09 PM

Quant Time: Oct 05 04:50:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 03:16:32 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.01 | 152 | 152653 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 590003 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.06 | 164 | 272460 | 20.00 | ng | | 0.01 |
| 63) Phenanthrene-d10 | 11.55 | 188 | 463077 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.20 | 240 | 484668 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.71 | 264 | 365799 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 937485 | 96.86 | ng | | 0.01 |
| 7) Phenol-d6 | 6.63 | 99 | 1072851 | 88.68 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 885321 | 87.47 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 195847 | 82.76 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 1405646 | 84.11 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.14 | 244 | 1352821 | 64.98 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 236417 | 50.05 | ng | # | 93 |
| 3) Pyridine | 3.49 | 79 | 621407 | 49.62 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 243648 | 53.71 | ng | # | 60 |
| 6) Aniline | 6.67 | 93 | 707754 | 42.58 | ng | | 99 |
| 8) 2-Chlorophenol | 6.79 | 128 | 453975 | 41.74 | ng | | 95 |
| 9) Benzaldehyde | 6.55 | 77 | 261170 | 46.51 | ng | | 90 |
| 10) Phenol | 6.65 | 94 | 655365 | 44.54 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 419330 | 40.13 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 6.95 | 146 | 472627m | 41.84 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.03 | 146 | 444840 | 38.78 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.18 | 146 | 407743 | 37.39 | ng | | 96 |
| 15) Benzyl Alcohol | 7.15 | 79 | 405674 | 47.57 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.29 | 45 | 758274 | 47.48 | ng | | 97 |
| 17) 2-Methylphenol | 7.26 | 107 | 362646 | 43.05 | ng | | 97 |
| 18) Hexachloroethane | 7.53 | 117 | 110964 | 26.74 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 380664 | 49.27 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.41 | 107 | 443841 | 41.44 | ng | | 96 |
| 22) Acetophenone | 7.42 | 105 | 605232 | 44.31 | ng | # | 87 |
| 24) Nitrobenzene | 7.59 | 77 | 533470 | 49.36 | ng | | 96 |
| 25) Isophorone | 7.83 | 82 | 898189 | 46.64 | ng | | 99 |
| 26) 2-Nitrophenol | 7.91 | 139 | 190020 | 45.57 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.95 | 122 | 390944 | 41.55 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93 | 487076 | 40.74 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 306711 | 39.82 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.25 | 180 | 299721 | 34.74 | ng | | 94 |
| 31) Naphthalene | 8.33 | 128 | 1142173 | 40.50 | ng | | 97 |
| 32) Benzoic acid | 8.04 | 122 | 275995 | 45.89 | ng | | 97 |
| 33) 4-Chloroaniline | 8.37 | 127 | 457131 | 40.58 | ng | # | 89 |
| 34) Hexachlorobutadiene | 8.44 | 225 | 159043 | 31.32 | ng | | 99 |
| 35) Caprolactam | 8.71 | 113 | 92662 | 46.00 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 8.84 | 107 | 351609 | 42.51 | ng | | 94 |
| 37) 2-Methylnaphthalene | 9.01 | 142 | 636149 | 35.95 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.18 | 216 | 291668 | 37.92 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.17 | 237 | 29295 | 11.18 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.29 | 196 | 177423 | 36.67 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.33 | 196 | 187885 | 38.60 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 9.48 | 154 | 919757 | 43.60 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 612417 | 38.68 | ng | | 99 |
| 47) 2-Nitroaniline | 9.59 | 65 | 267138 | 61.81 | ng | | 97 |
| 48) Acenaphthylene | 9.93 | 152 | 996961 | 41.62 | ng | | 96 |
| 49) Dimethylphthalate | 9.78 | 163 | 737515 | 45.73 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 149588 | 42.40 | ng | | 97 |
| 51) Acenaphthene | 10.10 | 154 | 600904 | 41.23 | ng | | 99 |
| 52) 3-Nitroaniline | 10.01 | 138 | 205563 | 51.44 | ng | # | 91 |
| 53) 2,4-Dinitrophenol | 10.11 | 184 | 17332 | 19.94 | ng | # | 83 |
| 54) Dibenzofuran | 10.27 | 168 | 819863 | 42.54 | ng | | 99 |
| 55) 4-Nitrophenol | 10.15 | 139 | 172188 | 54.11 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 10.23 | 165 | 184374 | 43.42 | ng | # | 21 |
| 57) Fluorene | 10.61 | 166 | 732247 | 45.42 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.38 | 232 | 144968 | 42.23 | ng | # | 86 |
| 59) Diethylphthalate | 10.47 | 149 | 707857 | 42.94 | ng | # | 90 |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204 | 309039 | 40.42 | ng | | 92 |
| 61) 4-Nitroaniline | 10.61 | 138 | 192574 | 53.57 | ng | | 93 |
| 62) Azobenzene | 10.76 | 77 | 865296 | 50.36 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 33216 | 20.90 | ng | # | 61 |
| 65) n-Nitrosodiphenylamine | 10.71 | 169 | 573408 | 36.31 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 11.09 | 248 | 176265 | 35.22 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.16 | 284 | 194590 | 33.08 | ng | # | 87 |
| 68) Atrazine | 11.24 | 200 | 135091 | 35.73 | ng | | 97 |
| 69) Pentachlorophenol | 11.35 | 266 | 122182 | 37.06 | ng | | 98 |
| 70) Phenanthrene | 11.57 | 178 | 923931 | 37.19 | ng | | 97 |
| 71) Anthracene | 11.63 | 178 | 1059516 | 42.72 | ng | | 97 |
| 72) Carbazole | 11.78 | 167 | 980446 | 43.01 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 1182247 | 43.39 | ng | | 98 |
| 74) Fluoranthene | 12.77 | 202 | 1041286 | 44.19 | ng | | 90 |
| 76) Benzidine | 12.89 | 184 | 564744 | 42.37 | ng | | 99 |
| 77) Pyrene | 13.00 | 202 | 1135355 | 36.59 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.62 | 149 | 614298 | 50.23 | ng | # | 87 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 1086227 | 39.97 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.16 | 252 | 413773 | 44.20 | ng | # | 98 |
| 82) Chrysene | 14.22 | 228 | 904772 | 35.53 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.18 | 149 | 884804 | 45.22 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.80 | 149 | 1488559 | 52.37 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.23 | 276 | 745004 | 27.22 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.26 | 252 | 931075 | 44.26 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.30 | 252 | 942905m | 46.93 | ng | | |
| 89) Benzo(a)pyrene | 15.64 | 252 | 810678 | 42.25 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 17.25 | 278 | 627559 | 33.35 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.69 | 276 | 568852 | 30.87 | ng | | 95 |

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

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