Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085642.D
Acq On : 22 Mar 2016 2:31
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/22/2016 5:34:35 PM

Quant Time: Mar 22 05:23:39 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 180832 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.13 | 136 | 678249 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 296661 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 447841 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.00 | 240 | 344151 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.42 | 264 | 345450 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 891405 | 82.80 | ng | | -0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 1027744 | 74.43 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 934764 | 80.00 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 217615 | 74.89 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1552980 | 90.87 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.95 | 244 | 1067995 | 74.68 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.42 | 88 | 211619 | 40.44 | ng | | 100 |
| 3) Pyridine | 3.14 | 79 | 569431 | 44.31 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.11 | 42 | 207754 | 38.73 | ng | | 99 |
| 6) Aniline | 6.50 | 93 | 722410 | 38.95 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.63 | 128 | 485626 | 38.99 | ng | | 97 |
| 9) Benzaldehyde | 6.39 | 77 | 265967 | 41.35 | ng | | 100 |
| 10) Phenol | 6.49 | 94 | 535244 | 34.03 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 446200 | 37.63 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 547212 | 40.32 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 515169 | 37.21 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 489519 | 39.83 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 366485 | 38.75 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 615263 | 39.46 | ng | | 95 |
| 17) 2-Methylphenol | 7.11 | 107 | 418461 | 40.53 | ng | | 99 |
| 18) Hexachloroethane | 7.36 | 117 | 195235 | 39.06 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 296626 | 35.96 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 412154 | 34.47 | ng | | 94 |
| 22) Acetophenone | 7.26 | 105 | 605407 | 37.61 | ng | # | 100 |
| 24) Nitrobenzene | 7.43 | 77 | 491259 | 38.41 | ng | | 97 |
| 25) Isophorone | 7.67 | 82 | 957638 | 40.94 | ng | | 100 |
| 26) 2-Nitrophenol | 7.75 | 139 | 278269 | 44.02 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 453814 | 40.60 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 572712 | 43.04 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 347545 | 37.65 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 400801 | 38.76 | ng | | 99 |
| 31) Naphthalene | 8.15 | 128 | 1218199 | 35.58 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 277101m | 29.65 | ng | | |
| 33) 4-Chloroaniline | 8.21 | 127 | 567906 | 40.47 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 223430 | 40.55 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 125042 | 39.37 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 378893 | 35.14 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 844765 | 40.48 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 348297 | 38.70 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 69236 | 17.07 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 234255 | 38.03 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 255420 | 40.74 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 959333 | 37.49 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 770890 | 41.24 | ng | | 98 |
| 47) 2-Nitroaniline | 9.43 | 65 | 233539 | 41.30 | ng | | 100 |
| 48) Acenaphthylene | 9.75 | 152 | 1212131 | 40.07 | ng | | 100 |
| 49) Dimethylphthalate | 9.61 | 163 | 879041 | 39.27 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.67 | 165 | 176804 | 37.41 | ng | | 95 |
| 51) Acenaphthene | 9.92 | 154 | 728850 | 38.39 | ng | | 99 |
| 52) 3-Nitroaniline | 9.84 | 138 | 204244 | 34.51 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 35312 | 12.20 | ng | | 91 |
| 54) Dibenzofuran | 10.09 | 168 | 918287 | 39.72 | ng | | 96 |
| 55) 4-Nitrophenol | 10.00 | 139 | 135995 | 29.73 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 244331 | 39.49 | ng | | 94 |
| 57) Fluorene | 10.44 | 166 | 737068 | 38.25 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 158842 | 35.19 | ng | | 98 |
| 59) Diethylphthalate | 10.31 | 149 | 899352 | 40.41 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 363255 | 38.61 | ng | | 92 |
| 61) 4-Nitroaniline | 10.46 | 138 | 215468 | 36.93 | ng | | 96 |
| 62) Azobenzene | 10.58 | 77 | 814000 | 38.11 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 63111 | 22.02 | ng | | 99 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 637625 | 45.71 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 225196 | 50.34 | ng | # | 91 |
| 67) Hexachlorobenzene | 10.98 | 284 | 215957 | 45.44 | ng | # | 89 |
| 68) Atrazine | 11.08 | 200 | 182600 | 42.99 | ng | | 94 |
| 69) Pentachlorophenol | 11.17 | 266 | 100060 | 34.67 | ng | | 99 |
| 70) Phenanthrene | 11.40 | 178 | 966875 | 40.95 | ng | | 99 |
| 71) Anthracene | 11.44 | 178 | 923748 | 37.31 | ng | | 100 |
| 72) Carbazole | 11.60 | 167 | 821753 | 38.47 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 1158530 | 43.31 | ng | | 98 |
| 74) Fluoranthene | 12.57 | 202 | 795294 | 32.17 | ng | | 97 |
| 76) Benzidine | 12.70 | 184 | 378579 | 32.71 | ng | | 98 |
| 77) Pyrene | 12.80 | 202 | 798071 | 32.30 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.42 | 149 | 385801 | 32.75 | ng | # | 76 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 759959 | 38.04 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.96 | 252 | 299555 | 40.91 | ng | # | 96 |
| 82) Chrysene | 14.03 | 228 | 639545 | 33.27 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 501675 | 34.28 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 985019 | 41.31 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.83 | 276 | 789124 | 49.13 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 829209 | 36.79 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 735513m | 39.61 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 776335 | 40.63 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.84 | 278 | 676095 | 42.42 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.24 | 276 | 607315 | 39.37 | ng | | 98 |

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

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