Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087299.D
Acq On : 22 May 2016 19:13
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 23 04:38:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 23 03:47:59 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.56 | 152 | 145308 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.85 | 136 | 611646 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.59 | 164 | 280955 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.07 | 188 | 505943 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.70 | 240 | 304889 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.05 | 264 | 275106 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.14 | 112 | 673435 | 77.90 | ng | | 0.00 |
| 7) Phenol-d6 | 6.24 | 99 | 885610 | 76.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.14 | 82 | 899349 | 73.28 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.39 | 330 | 209114 | 67.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.92 | 172 | 1285714 | 75.79 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.65 | 244 | 1230472 | 91.29 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.95 | 88 | 164167 | 36.92 | ng | # | 74 |
| 3) Pyridine | 2.58 | 79 | 396005 | 36.81 | ng | # | 64 |
| 4) n-Nitrosodimethylamine | 2.56 | 42 | 295548 | 38.77 | ng | # | 48 |
| 6) Aniline | 6.23 | 93 | 536837 | 36.45 | ng | | 98 |
| 8) 2-Chlorophenol | 6.35 | 128 | 407670 | 38.76 | ng | | 98 |
| 9) Benzaldehyde | 6.11 | 77 | 225108 | 34.87 | ng | | 97 |
| 10) Phenol | 6.25 | 94 | 575512 | 39.49 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.31 | 93 | 412964 | 37.73 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.49 | 146 | 428339m | 38.31 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.57 | 146 | 433356m | 37.88 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.73 | 146 | 393985 | 39.34 | ng | | 99 |
| 15) Benzyl Alcohol | 6.73 | 79 | 363587 | 42.12 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84 | 45 | 855074 | 38.01 | ng | | 86 |
| 17) 2-Methylphenol | 6.86 | 107 | 333637 | 38.62 | ng | # | 80 |
| 18) Hexachloroethane | 7.06 | 117 | 174061 | 39.80 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.00 | 70 | 333793 | 37.87 | ng | # | 84 |
| 20) 3+4-Methylphenols | 7.02 | 107 | 432987 | 38.00 | ng | # | 61 |
| 22) Acetophenone | 6.99 | 105 | 632361 | 42.25 | ng | | 96 |
| 24) Nitrobenzene | 7.16 | 77 | 501641 | 37.44 | ng | | 90 |
| 25) Isophorone | 7.40 | 82 | 885058 | 39.40 | ng | # | 97 |
| 26) 2-Nitrophenol | 7.47 | 139 | 212139 | 38.22 | ng | # | 61 |
| 27) 2,4-Dimethylphenol | 7.54 | 122 | 350211 | 36.97 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.62 | 93 | 490043 | 39.73 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.72 | 162 | 322812 | 38.67 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 7.79 | 180 | 355926 | 38.42 | ng | | 97 |
| 31) Naphthalene | 7.87 | 128 | 1167723 | 39.07 | ng | | 99 |
| 32) Benzoic acid | 7.71 | 122 | 209470 | 37.10 | ng | # | 79 |
| 33) 4-Chloroaniline | 7.94 | 127 | 432132 | 34.79 | ng | | 98 |
| 34) Hexachlorobutadiene | 7.99 | 225 | 226789 | 43.14 | ng | | 98 |
| 35) Caprolactam | 8.34 | 113 | 103586 | 37.27 | ng | # | 64 |
| 36) 4-Chloro-3-methylphenol | 8.44 | 107 | 384816 | 38.22 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 682577 | 35.71 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.73 | 216 | 348238 | 42.44 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.71 | 237 | 67581 | 27.09 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.86 | 196 | 206896 | 38.88 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 8.90 | 196 | 214865 | 38.87 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.03 | 154 | 1032016 | 44.30 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.05 | 162 | 733002 | 40.99 | ng | | 97 |
| 47) 2-Nitroaniline | 9.16 | 65 | 272437 | 39.75 | ng | # | 79 |
| 48) Acenaphthylene | 9.45 | 152 | 1039804 | 38.08 | ng | | 98 |
| 49) Dimethylphthalate | 9.34 | 163 | 823788 | 38.44 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.40 | 165 | 158276 | 34.01 | ng | # | 64 |
| 51) Acenaphthene | 9.62 | 154 | 631767 | 37.03 | ng | | 98 |
| 52) 3-Nitroaniline | 9.58 | 138 | 173343 | 34.41 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 9.70 | 184 | 57788 | 25.13 | ng | # | 83 |
| 54) Dibenzofuran | 9.80 | 168 | 859929 | 38.98 | ng | | 100 |
| 55) 4-Nitrophenol | 9.78 | 139 | 24641m | 15.02 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 241811 | 40.57 | ng | # | 78 |
| 57) Fluorene | 10.14 | 166 | 652893 | 36.83 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.93 | 232 | 158002 | 36.70 | ng | | 98 |
| 59) Diethylphthalate | 10.03 | 149 | 825633 | 40.35 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.14 | 204 | 358529 | 42.67 | ng | | 93 |
| 61) 4-Nitroaniline | 10.19 | 138 | 159163 | 32.00 | ng | # | 63 |
| 62) Azobenzene | 10.30 | 77 | 975550 | 41.38 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.23 | 198 | 98417 | 29.54 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.26 | 169 | 629071 | 39.51 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.62 | 248 | 205911 | 39.58 | ng | # | 86 |
| 67) Hexachlorobenzene | 10.68 | 284 | 225043 | 37.31 | ng | # | 75 |
| 68) Atrazine | 10.80 | 200 | 206933 | 39.84 | ng | | 93 |
| 69) Pentachlorophenol | 10.89 | 266 | 56297 | 24.84 | ng | | 97 |
| 70) Phenanthrene | 11.10 | 178 | 1086527 | 39.60 | ng | | 100 |
| 71) Anthracene | 11.14 | 178 | 1017429 | 36.66 | ng | | 100 |
| 72) Carbazole | 11.31 | 167 | 890346 | 35.12 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.64 | 149 | 1298840 | 44.60 | ng | | 99 |
| 74) Fluoranthene | 12.27 | 202 | 968890 | 35.24 | ng | | 96 |
| 76) Benzidine | 12.41 | 184 | 289359 | 31.45 | ng | | 98 |
| 77) Pyrene | 12.50 | 202 | 1001355 | 45.46 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.13 | 149 | 467483 | 50.28 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.69 | 228 | 676971 | 38.40 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.66 | 252 | 446228 | 39.78 | ng | | 99 |
| 82) Chrysene | 13.73 | 228 | 706567 | 41.43 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.69 | 149 | 600709 | 53.08 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.30 | 149 | 931300 | 47.77 | ng | # | 84 |
| 85) Indeno(1,2,3-cd)pyrene | 16.27 | 276 | 648189 | 43.30 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 14.69 | 252 | 584552m | 32.03 | ng | | |
| 88) Benzo(k)fluoranthene | 14.71 | 252 | 635602m | 46.78 | ng | | |
| 89) Benzo(a)pyrene | 14.99 | 252 | 590660 | 38.72 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.29 | 278 | 543724 | 42.33 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 16.64 | 276 | 530184 | 40.87 | ng | | 94 |

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

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