Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097786.D
Acq On : 17 Aug 2017 15:16
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
8/18/2017 7:02:20 PM

Quant Time: Aug 18 02:04:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 151994 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.06 | 136 | 594485 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 257636 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 485874 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.93 | 240 | 356714 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.36 | 264 | 269352 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 826765 | 82.74 | ng | | 0.00 |
| 7) Phenol-d6 | 6.41 | 99 | 1135347 | 83.62 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 990356 | 90.50 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 209257 | 93.61 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1411769 | 80.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.89 | 244 | 1373803 | 80.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 229242 | 41.136 | ng | | 88 |
| 3) Pyridine | 3.20 | 79 | 642480 | 41.703 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.16 | 42 | 232443 | 39.212 | ng | # | 75 |
| 6) Aniline | 6.44 | 93 | 775674 | 40.669 | ng | | 98 |
| 8) 2-Chlorophenol | 6.56 | 128 | 441232 | 41.870 | ng | | 98 |
| 9) Benzaldehyde | 6.33 | 77 | 320253 | 37.240 | ng | | 91 |
| 10) Phenol | 6.42 | 94 | 669826 | 42.183 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 486949 | 40.630 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 468625 | 41.342 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.79 | 146 | 470643 | 40.824 | ng | # | 92 |
| 14) 1,2-Dichlorobenzene | 6.95 | 146 | 436336 | 41.047 | ng | | 98 |
| 15) Benzyl Alcohol | 6.92 | 79 | 416305 | 40.955 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 628575 | 38.981 | ng | | 91 |
| 17) 2-Methylphenol | 7.03 | 107 | 380427 | 40.965 | ng | | 98 |
| 18) Hexachloroethane | 7.29 | 117 | 187554 | 41.495 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 363890 | 39.152 | ng | | 90 |
| 20) 3+4-Methylphenols | 7.19 | 107 | 458358 | 40.410 | ng | | 98 |
| 22) Acetophenone | 7.19 | 105 | 618247 | 39.367 | ng | # | 87 |
| 24) Nitrobenzene | 7.36 | 77 | 537953 | 44.150 | ng | | 92 |
| 25) Isophorone | 7.60 | 82 | 909702 | 39.978 | ng | | 97 |
| 26) 2-Nitrophenol | 7.67 | 139 | 213085 | 48.241 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 394300 | 41.549 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 608869 | 40.700 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 337315 | 42.819 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.00 | 180 | 362852 | 41.550 | ng | | 100 |
| 31) Naphthalene | 8.09 | 128 | 1262099 | 40.894 | ng | | 100 |
| 32) Benzoic acid | 7.85 | 122 | 301943 | 44.246 | ng | | 88 |
| 33) 4-Chloroaniline | 8.13 | 127 | 537874 | 41.324 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 212889 | 41.753 | ng | | 99 |
| 35) Caprolactam | 8.52 | 113 | 115872 | 43.267 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 419885 | 41.485 | ng | # | 80 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 773162 | 40.861 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 328781 | 41.582 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 173416 | 45.654 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.05 | 196 | 231523 | 43.614 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.09 | 196 | 229939 | 43.662 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 963705 | 41.019 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 710417 | 40.925 | ng | # | 93 |
| 47) 2-Nitroaniline | 9.36 | 65 | 276741 | 47.554 | ng | | 95 |
| 48) Acenaphthylene | 9.68 | 152 | 1123605 | 41.218 | ng | | 99 |
| 49) Dimethylphthalate | 9.55 | 163 | 766171 | 40.684 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 169032 | 44.966 | ng | # | 74 |
| 51) Acenaphthene | 9.85 | 154 | 715671 | 41.627 | ng | | 99 |
| 52) 3-Nitroaniline | 9.77 | 138 | 221809 | 45.734 | ng | | 82 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 81027m | 49.710 | ng | | |
| 54) Dibenzofuran | 10.02 | 168 | 944245 | 40.979 | ng | | 98 |
| 55) 4-Nitrophenol | 9.93 | 139 | 171799 | 44.405 | ng | # | 51 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 220937 | 46.833 | ng | # | 62 |
| 57) Fluorene | 10.36 | 166 | 732698 | 41.129 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 178632 | 43.811 | ng | | 91 |
| 59) Diethylphthalate | 10.24 | 149 | 777327 | 39.470 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 336312 | 40.636 | ng | | 88 |
| 61) 4-Nitroaniline | 10.39 | 138 | 213566m | 46.331 | ng | | |
| 62) Azobenzene | 10.52 | 77 | 900451 | 38.492 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 109926 | 48.009 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.47 | 169 | 674373 | 40.759 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 212526 | 42.122 | ng | | 96 |
| 67) Hexachlorobenzene | 10.91 | 284 | 218030 | 42.396 | ng | | 93 |
| 68) Atrazine | 11.00 | 200 | 170921 | 38.953 | ng | | 98 |
| 69) Pentachlorophenol | 11.10 | 266 | 134681 | 44.916 | ng | | 99 |
| 70) Phenanthrene | 11.32 | 178 | 1040009 | 40.169 | ng | | 100 |
| 71) Anthracene | 11.37 | 178 | 1074333 | 40.911 | ng | | 100 |
| 72) Carbazole | 11.53 | 167 | 1019658 | 40.906 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 1192319 | 41.527 | ng | | 99 |
| 74) Fluoranthene | 12.51 | 202 | 1114311 | 41.234 | ng | | 98 |
| 76) Benzidine | 12.63 | 184 | 424154 | 36.265 | ng | | 94 |
| 77) Pyrene | 12.73 | 202 | 1150554 | 39.436 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 470697 | 42.080 | ng | # | 79 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 840937 | 39.334 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.89 | 252 | 312933 | 43.377 | ng | # | 97 |
| 82) Chrysene | 13.96 | 228 | 844451 | 39.706 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 535482 | 43.201 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 921612 | 42.733 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.76 | 276 | 616226 | 39.388 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.95 | 252 | 709486 | 41.788 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.98 | 252 | 644007 | 40.374 | ng | # | 93 |
| 89) Benzo(a)pyrene | 15.30 | 252 | 622407 | 41.410 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 527692 | 43.125 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.18 | 276 | 540643 | 42.345 | ng | # | 92 |

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

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