Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020218\
Data File : BF102701.D
Acq On : 2 Feb 2018 11:37
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
2/2/2018 5:41:48 PM

Quant Time: Feb 02 13:43:22 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 18:38:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 189923 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 781043 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 352435 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 594697 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.86 | 240 | 374971 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.29 | 264 | 330726 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 1064015 | 84.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.36 | 99 | 1193251 | 79.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 1107134 | 81.46 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 236790 | 67.81 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 1919419 | 80.08 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.80 | 244 | 1376990 | 82.79 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.32 | 88 | 260787 | 43.820 | ng | | 96 |
| 3) Pyridine | 3.04 | 79 | 637488 | 40.989 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.02 | 42 | 243783 | 39.982 | ng | | 99 |
| 6) Aniline | 6.37 | 93 | 724896 | 36.292 | ng | # | 59 |
| 8) 2-Chlorophenol | 6.49 | 128 | 543797 | 41.415 | ng | | 98 |
| 9) Benzaldehyde | 6.26 | 77 | 310368 | 35.715 | ng | | 97 |
| 10) Phenol | 6.38 | 94 | 735895 | 44.637 | ng | # | 49 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 623232 | 49.704 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 622772 | 39.881 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.71 | 146 | 672008 | 42.960 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 545860 | 38.150 | ng | | 98 |
| 15) Benzyl Alcohol | 6.86 | 79 | 398056 | 37.360 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45 | 827905 | 39.368 | ng | | 85 |
| 17) 2-Methylphenol | 6.98 | 107 | 432034 | 37.886 | ng | # | 87 |
| 18) Hexachloroethane | 7.19 | 117 | 215701 | 39.571 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 382023 | 41.338 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 608653 | 45.382 | ng | # | 86 |
| 22) Acetophenone | 7.12 | 105 | 779384 | 41.860 | ng | # | 96 |
| 24) Nitrobenzene | 7.29 | 77 | 607096 | 43.648 | ng | | 98 |
| 25) Isophorone | 7.52 | 82 | 991480 | 40.920 | ng | | 99 |
| 26) 2-Nitrophenol | 7.60 | 139 | 300405 | 41.037 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 415900 | 39.127 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 619414 | 41.384 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 438933 | 40.539 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 443402 | 38.202 | ng | | 99 |
| 31) Naphthalene | 8.00 | 128 | 1550536 | 39.761 | ng | | 99 |
| 32) Benzoic acid | 7.82 | 122 | 258984 | 29.081 | ng | | 99 |
| 33) 4-Chloroaniline | 8.07 | 127 | 665723 | 40.597 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.10 | 225 | 236501 | 38.151 | ng | | 99 |
| 35) Caprolactam | 8.45 | 113 | 149874 | 41.912 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 565778 | 49.573 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 1150599 | 44.304 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 451373 | 42.569 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.83 | 237 | 91572 | 19.298 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 277779 | 39.134 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.03 | 196 | 309802 | 38.764 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.15 | 154 | 1288761 | 40.896 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.18 | 162 | 966576 | 39.460 | ng | | 99 |
| 47) 2-Nitroaniline | 9.30 | 65 | 313986 | 41.115 | ng | | 99 |
| 48) Acenaphthylene | 9.59 | 152 | 1491632 | 39.087 | ng | | 99 |
| 49) Dimethylphthalate | 9.46 | 163 | 1077859 | 37.000 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 242910 | 38.676 | ng | # | 87 |
| 51) Acenaphthene | 9.76 | 154 | 873487 | 39.192 | ng | | 99 |
| 52) 3-Nitroaniline | 9.72 | 138 | 292181 | 39.325 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.84 | 184 | 75150 | 29.132 | ng | # | 25 |
| 54) Dibenzofuran | 9.94 | 168 | 1183819 | 39.247 | ng | | 94 |
| 55) 4-Nitrophenol | 9.94 | 139 | 692092 | 141.114 | ng | # | 18 |
| 56) 2,4-Dinitrotoluene | 9.95 | 165 | 303026 | 39.234 | ng | # | 92 |
| 57) Fluorene | 10.28 | 166 | 955025 | 39.957 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.07 | 232 | 210393 | 36.870 | ng | | 98 |
| 59) Diethylphthalate | 10.16 | 149 | 1085233 | 38.336 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 413658 | 39.918 | ng | | 97 |
| 61) 4-Nitroaniline | 10.34 | 138 | 284772 | 38.410 | ng | | 90 |
| 62) Azobenzene | 10.43 | 77 | 1088960 | 42.016 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 141162 | 35.579 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 10.40 | 169 | 876188 | 40.141 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 249243 | 38.933 | ng | | 92 |
| 67) Hexachlorobenzene | 10.83 | 284 | 257831 | 36.011 | ng | | 95 |
| 68) Atrazine | 10.93 | 200 | 237797 | 36.887 | ng | | 98 |
| 69) Pentachlorophenol | 11.04 | 266 | 124815m | 33.185 | ng | | |
| 70) Phenanthrene | 11.24 | 178 | 1313655 | 37.907 | ng | | 99 |
| 71) Anthracene | 11.30 | 178 | 1365462 | 38.604 | ng | | 99 |
| 72) Carbazole | 11.46 | 167 | 1349357 | 39.103 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.77 | 149 | 1636617 | 37.943 | ng | | 100 |
| 74) Fluoranthene | 12.43 | 202 | 1275497 | 36.093 | ng | | 99 |
| 76) Benzidine | 12.57 | 184 | 346892 | 27.538 | ng | | 98 |
| 77) Pyrene | 12.66 | 202 | 1288163 | 44.433 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.27 | 149 | 632251 | 43.822 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 926149 | 40.118 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.82 | 252 | 308115 | 36.383 | ng | | 98 |
| 82) Chrysene | 13.89 | 228 | 946428 | 40.371 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 758913 | 39.141 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.44 | 149 | 1195732 | 37.922 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.70 | 276 | 758690 | 39.186 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 770285m | 35.934 | ng | | |
| 88) Benzo(k)fluoranthene | 14.91 | 252 | 831285 | 41.046 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.23 | 252 | 740710 | 38.313 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.70 | 278 | 630588 | 40.266 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.12 | 276 | 668283 | 43.218 | ng | | 95 |

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