Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098892.D
Acq On : 28 Sep 2017 6:04
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
9/28/2017 2:32:34 PM

Quant Time: Sep 28 07:54:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.92 | 152 | 135315 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.20 | 136 | 551973 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.96 | 164 | 229078 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.44 | 188 | 366422 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 280213 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.57 | 264 | 214049 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 687798 | 80.92 | ng | | -0.01 |
| 7) Phenol-d6 | 6.54 | 99 | 843807 | 80.47 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.48 | 82 | 718515 | 83.48 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 135251 | 72.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.27 | 172 | 1175475 | 85.66 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.03 | 244 | 965884 | 78.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 162493 | 40.018 | ng | | 99 |
| 3) Pyridine | 3.48 | 79 | 449021 | 40.878 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.43 | 42 | 191022 | 41.010 | ng | # | 96 |
| 6) Aniline | 6.58 | 93 | 550790 | 38.918 | ng | | 99 |
| 8) 2-Chlorophenol | 6.70 | 128 | 383059 | 39.794 | ng | | 95 |
| 9) Benzaldehyde | 6.47 | 77 | 230905 | 37.961 | ng | | 97 |
| 10) Phenol | 6.56 | 94 | 478204 | 40.777 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.65 | 93 | 355406 | 38.983 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.86 | 146 | 398707 | 39.549 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.93 | 146 | 406071 | 39.590 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.09 | 146 | 375622 | 39.633 | ng | | 100 |
| 15) Benzyl Alcohol | 7.06 | 79 | 302993 | 39.388 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.19 | 45 | 547465 | 38.542 | ng | | 99 |
| 17) 2-Methylphenol | 7.16 | 107 | 304852 | 38.705 | ng | | 98 |
| 18) Hexachloroethane | 7.43 | 117 | 119608 | 32.442 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70 | 248972 | 37.189 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 384810 | 38.619 | ng | | 89 |
| 22) Acetophenone | 7.33 | 105 | 520613 | 38.929 | ng | # | 96 |
| 24) Nitrobenzene | 7.50 | 77 | 398649 | 40.830 | ng | | 98 |
| 25) Isophorone | 7.74 | 82 | 682816 | 38.371 | ng | | 99 |
| 26) 2-Nitrophenol | 7.82 | 139 | 169433 | 36.087 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 340869 | 38.443 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.95 | 93 | 433817 | 39.119 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 298468 | 39.206 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.14 | 180 | 297344 | 39.052 | ng | | 99 |
| 31) Naphthalene | 8.22 | 128 | 1011307 | 39.010 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 163943 | 22.509 | ng | | 98 |
| 33) 4-Chloroaniline | 8.27 | 127 | 424501 | 39.212 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 153235 | 39.073 | ng | | 98 |
| 35) Caprolactam | 8.65 | 113 | 92495 | 37.877 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.74 | 107 | 324902 | 37.971 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.91 | 142 | 637119 | 37.805 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 287783 | 42.124 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 15933 | 5.103 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.19 | 196 | 192293 | 39.731 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.23 | 196 | 190185 | 39.365 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 822867 | 41.796 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.40 | 162 | 596903 | 40.380 | ng | | 97 |
| 47) 2-Nitroaniline | 9.50 | 65 | 199156 | 44.000 | ng | | 92 |
| 48) Acenaphthylene | 9.82 | 152 | 901394 | 39.834 | ng | | 99 |
| 49) Dimethylphthalate | 9.67 | 163 | 709818 | 41.055 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.74 | 165 | 151078 | 40.137 | ng | | 90 |
| 51) Acenaphthene | 9.99 | 154 | 534771 | 37.307 | ng | | 99 |
| 52) 3-Nitroaniline | 9.90 | 138 | 188865 | 43.033 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.01 | 184 | 4462 | 7.939 | ng | | 94 |
| 54) Dibenzofuran | 10.16 | 168 | 749960 | 39.295 | ng | | 99 |
| 55) 4-Nitrophenol | 10.06 | 139 | 128841 | 34.718 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.14 | 165 | 186322 | 38.141 | ng | | 94 |
| 57) Fluorene | 10.50 | 166 | 590089 | 38.467 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 119476 | 35.798 | ng | | 97 |
| 59) Diethylphthalate | 10.37 | 149 | 678806 | 40.179 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 267708 | 38.850 | ng | | 99 |
| 61) 4-Nitroaniline | 10.52 | 138 | 179459 | 42.383 | ng | | 96 |
| 62) Azobenzene | 10.65 | 77 | 593356 | 38.197 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 11216 | 5.031 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.61 | 169 | 544585 | 42.901 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.99 | 248 | 148451 | 41.390 | ng | | 92 |
| 67) Hexachlorobenzene | 11.05 | 284 | 152473 | 39.803 | ng | | 97 |
| 68) Atrazine | 11.13 | 200 | 142642 | 37.349 | ng | | 99 |
| 69) Pentachlorophenol | 11.25 | 266 | 82886 | 34.766 | ng | | 99 |
| 70) Phenanthrene | 11.47 | 178 | 770147 | 39.266 | ng | | 99 |
| 71) Anthracene | 11.52 | 178 | 797204 | 39.724 | ng | | 100 |
| 72) Carbazole | 11.67 | 167 | 782521 | 39.818 | ng | | 100 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 963971 | 40.751 | ng | | 99 |
| 74) Fluoranthene | 12.66 | 202 | 775104 | 39.027 | ng | | 99 |
| 76) Benzidine | 12.77 | 184 | 473916 | 45.727 | ng | | 100 |
| 77) Pyrene | 12.89 | 202 | 804046 | 37.630 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.50 | 149 | 403629 | 40.194 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.07 | 228 | 666948 | 39.307 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.03 | 252 | 266318 | 42.816 | ng | | 99 |
| 82) Chrysene | 14.11 | 228 | 638231 | 39.509 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 570158 | 41.234 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.67 | 149 | 987467 | 44.350 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 417218 | 32.287 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.13 | 252 | 561906m | 42.696 | ng | | |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 532192 | 40.942 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.51 | 252 | 477653 | 39.539 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.10 | 278 | 354575 | 36.675 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.54 | 276 | 326988 | 34.216 | ng | | 95 |

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

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