

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
 Data File : BF100241.D  
 Acq On : 6 Nov 2017 00:06  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Sohil

Quant Time: Nov 06 10:49:43 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 11/6/2017 2:33:44 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 97447    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 394897   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.80  | 164  | 159140   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.29 | 188  | 239771   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.94 | 240  | 204246   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.40 | 264  | 191948   | 20.00 | ng    | -0.01    |

#### System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.39  | 112 | 496149 | 79.93 | ng | 0.00  |
| 7) Phenol-d6             | 6.42  | 99  | 571025 | 77.59 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 459490 | 74.91 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 98667  | 68.03 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.12  | 172 | 845228 | 81.94 | ng | -0.01 |
| 78) Terphenyl-d14        | 12.87 | 244 | 632947 | 67.72 | ng | -0.01 |

#### Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.43 | 88   | 102096   | 37.248 | ng    | # 86   |
| 3) Pyridine                    | 3.20 | 79   | 251907m  | 38.218 | ng    |        |
| 4) n-Nitrosodimethylamine      | 3.16 | 42   | 88323    | 37.508 | ng    | # 66   |
| 6) Aniline                     | 6.44 | 93   | 364787   | 38.227 | ng    | # 85   |
| 8) 2-Chlorophenol              | 6.56 | 128  | 265637   | 40.155 | ng    | 92     |
| 9) Benzaldehyde                | 6.33 | 77   | 157272   | 35.761 | ng    | 92     |
| 10) Phenol                     | 6.43 | 94   | 300921   | 37.240 | ng    | # 55   |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93   | 243388   | 39.005 | ng    | 93     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146  | 286513m  | 38.573 | ng    |        |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146  | 296292   | 39.304 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 6.93 | 146  | 264629   | 38.516 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.93 | 79   | 181337   | 38.743 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.03 | 45   | 255410   | 36.847 | ng    | 54     |
| 17) 2-Methylphenol             | 7.04 | 107  | 219269   | 39.626 | ng    | # 94   |
| 18) Hexachloroethane           | 7.26 | 117  | 70870    | 28.178 | ng    | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70   | 167472   | 38.830 | ng    | # 87   |
| 20) 3+4-Methylphenols          | 7.20 | 107  | 278237   | 43.184 | ng    | 98     |
| 22) Acetophenone               | 7.19 | 105  | 359960   | 40.034 | ng    | # 90   |
| 24) Nitrobenzene               | 7.36 | 77   | 238025   | 38.513 | ng    | 94     |
| 25) Isophorone                 | 7.59 | 82   | 408104   | 36.666 | ng    | 96     |
| 26) 2-Nitrophenol              | 7.67 | 139  | 138607   | 39.157 | ng    | # 84   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122  | 205980   | 39.493 | ng    | 92     |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93   | 295108   | 37.859 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.93 | 162  | 211406   | 39.019 | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene     | 7.99 | 180  | 214939   | 37.128 | ng    | 98     |
| 31) Naphthalene                | 8.07 | 128  | 711396   | 37.320 | ng    | 99     |
| 32) Benzoic acid               | 7.89 | 122  | 146053   | 31.814 | ng    | 93     |
| 33) 4-Chloroaniline            | 8.13 | 127  | 297858   | 37.841 | ng    | # 93   |
| 34) Hexachlorobutadiene        | 8.17 | 225  | 111094   | 37.309 | ng    | 98     |
| 35) Caprolactam                | 8.52 | 113  | 61532    | 36.113 | ng    | # 69   |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107  | 196691   | 35.567 | ng    | 89     |
| 37) 2-Methylnaphthalene        | 8.76 | 142  | 462899   | 36.237 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216  | 213715   | 41.580 | ng    | # 97   |
| 42) 2,4,6-Trichlorophenol      | 9.05 | 196  | 128084   | 41.198 | ng    | 99     |

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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDC0040

Manual Integrations  
 APPROVED

Sohil

Quant Time: Nov 06 10:49:43 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) | 11/6/2017 2:33:44 PM |
|--------------------------------|-------|------|----------|--------|-------|----------|----------------------|
| 43) 2,4,5-Trichlorophenol      | 9.11  | 196  | 123619   | 37.469 | ng    | #        | 92                   |
| 45) 1,1'-Biphenyl              | 9.22  | 154  | 581013   | 40.358 | ng    |          | 98                   |
| 46) 2-Chloronaphthalene        | 9.25  | 162  | 410871   | 39.298 | ng    |          | 95                   |
| 47) 2-Nitroaniline             | 9.36  | 65   | 104754   | 38.175 | ng    |          | 90                   |
| 48) Acenaphthylene             | 9.66  | 152  | 617270   | 38.332 | ng    |          | 99                   |
| 49) Dimethylphthalate          | 9.53  | 163  | 475513   | 37.731 | ng    |          | 99                   |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 98521    | 37.187 | ng    | #        | 79                   |
| 51) Acenaphthene               | 9.83  | 154  | 366926   | 37.291 | ng    |          | 98                   |
| 52) 3-Nitroaniline             | 9.78  | 138  | 118336   | 37.907 | ng    | #        | 86                   |
| 53) 2,4-Dinitrophenol          | 9.93  | 184  | 7855     | 12.730 | ng    | #        | 79                   |
| 54) Dibenzofuran               | 10.00 | 168  | 533447   | 38.408 | ng    |          | 100                  |
| 55) 4-Nitrophenol              | 9.99  | 139  | 18161m   | 11.134 | ng    |          |                      |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 121671   | 38.134 | ng    | #        | 76                   |
| 57) Fluorene                   | 10.35 | 166  | 413963   | 35.998 | ng    |          | 98                   |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.14 | 232  | 84056    | 36.338 | ng    | #        | 91                   |
| 59) Diethylphthalate           | 10.22 | 149  | 444673   | 36.132 | ng    |          | 97                   |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204  | 197615   | 36.513 | ng    |          | 95                   |
| 61) 4-Nitroaniline             | 10.40 | 138  | 104413   | 35.058 | ng    |          | 84                   |
| 62) Azobenzene                 | 10.50 | 77   | 343593   | 33.305 | ng    |          | 89                   |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 19847    | 13.168 | ng    |          | 87                   |
| 65) n-Nitrosodiphenylamine     | 10.46 | 169  | 373992   | 42.254 | ng    |          | 97                   |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 104373   | 41.349 | ng    |          | 95                   |
| 67) Hexachlorobenzene          | 10.90 | 284  | 100944   | 39.089 | ng    |          | 98                   |
| 68) Atrazine                   | 10.99 | 200  | 99256    | 37.332 | ng    |          | 98                   |
| 69) Pentachlorophenol          | 11.11 | 266  | 73763    | 66.847 | ng    |          | 97                   |
| 70) Phenanthrene               | 11.32 | 178  | 506110   | 37.403 | ng    |          | 98                   |
| 71) Anthracene                 | 11.37 | 178  | 519662   | 37.834 | ng    |          | 99                   |
| 72) Carbazole                  | 11.53 | 167  | 487687   | 37.758 | ng    |          | 98                   |
| 73) Di-n-butylphthalate        | 11.83 | 149  | 610006   | 37.027 | ng    |          | 98                   |
| 74) Fluoranthene               | 12.51 | 202  | 512170   | 36.422 | ng    |          | 96                   |
| 76) Benzidine                  | 12.63 | 184  | 292857   | 32.768 | ng    |          | 98                   |
| 77) Pyrene                     | 12.74 | 202  | 527839   | 33.987 | ng    |          | 99                   |
| 79) Butylbenzylphthalate       | 13.33 | 149  | 245863   | 32.148 | ng    |          | 92                   |
| 80) Benzo(a)anthracene         | 13.93 | 228  | 467201   | 36.083 | ng    |          | 99                   |
| 81) 3,3'-Dichlorobenzidine     | 13.89 | 252  | 180320   | 38.366 | ng    |          | 99                   |
| 82) Chrysene                   | 13.97 | 228  | 457278   | 37.566 | ng    |          | 97                   |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 317925   | 29.602 | ng    |          | 98                   |
| 84) Di-n-octyl phthalate       | 14.50 | 149  | 623495   | 33.824 | ng    | #        | 92                   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 365684   | 32.724 | ng    |          | 97                   |
| 87) Benzo(b)fluoranthene       | 14.97 | 252  | 470172   | 38.791 | ng    |          | 97                   |
| 88) Benzo(k)fluoranthene       | 15.00 | 252  | 419977   | 36.746 | ng    |          | 99                   |
| 89) Benzo(a)pyrene             | 15.34 | 252  | 402636   | 36.981 | ng    | #        | 97                   |
| 90) Dibenzo(a,h)anthracene     | 16.86 | 278  | 314710   | 32.530 | ng    |          | 98                   |
| 91) Benzo(g,h,i)perylene       | 17.31 | 276  | 294469   | 31.111 | ng    |          | 97                   |

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

