

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072316\  
 Data File : BG023223.D  
 Acq On : 22 Jul 2016 20:01  
 Operator : UM/SJ  
 Sample : PB92359BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92359BS

## Manual Integrations

sohil  
 7/25/2016 6:48:01 PM

Quant Time: Jul 23 00:07:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 19 15:46:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 107216   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.98 | 136  | 509696   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.81 | 164  | 378507   | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 17.57 | 188  | 907893   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12          | 21.90 | 240  | 947366   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 25.30 | 264  | 979553   | 20.00 | ng    | 0.03     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.68  | 112 | 991456  | 151.24 | ng | 0.00 |
| 7) Phenol-d6             | 7.30  | 99  | 1482790 | 144.42 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.32  | 82  | 1076100 | 90.40  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 685580  | 100.78 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 13.43 | 172 | 2054483 | 85.50  | ng | 0.01 |
| 78) Terphenyl-d14        | 20.18 | 244 | 2826029 | 102.18 | ng | 0.02 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 88698   | 34.81 | ng | 97     |
| 3) Pyridine                    | 3.94  | 79  | 302155  | 34.65 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 166946  | 44.63 | ng | # 93   |
| 6) Aniline                     | 7.46  | 93  | 527517  | 37.07 | ng | 96     |
| 8) 2-Chlorophenol              | 7.70  | 128 | 341199  | 48.91 | ng | 99     |
| 9) Benzaldehyde                | 7.27  | 77  | 96150   | 14.01 | ng | 90     |
| 10) Phenol                     | 7.33  | 94  | 527021  | 49.89 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 7.56  | 93  | 367192  | 43.85 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 8.03  | 146 | 341306  | 39.97 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.18  | 146 | 355660  | 41.60 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.50  | 146 | 346002  | 40.71 | ng | 95     |
| 15) Benzyl Alcohol             | 8.39  | 79  | 455187  | 48.40 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 497565  | 48.65 | ng | 92     |
| 17) 2-Methylphenol             | 8.59  | 107 | 341862  | 49.71 | ng | 94     |
| 18) Hexachloroethane           | 9.24  | 117 | 147797  | 40.95 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.95  | 70  | 391896  | 42.34 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.92  | 107 | 470866  | 49.10 | ng | 97     |
| 22) Acetophenone               | 8.97  | 105 | 621710  | 40.64 | ng | # 95   |
| 24) Nitrobenzene               | 9.37  | 77  | 559391  | 44.23 | ng | 93     |
| 25) Isophorone                 | 9.88  | 82  | 1008401 | 42.12 | ng | 98     |
| 26) 2-Nitrophenol              | 10.08 | 139 | 215852  | 43.49 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 378007  | 44.06 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93  | 562938  | 42.16 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.62 | 162 | 406499  | 44.43 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.84 | 180 | 400179  | 38.17 | ng | 95     |
| 31) Naphthalene                | 11.03 | 128 | 1088373 | 41.95 | ng | 98     |
| 32) Benzoic acid               | 10.27 | 122 | 238717  | 30.58 | ng | 94     |
| 33) 4-Chloroaniline            | 11.14 | 127 | 304360  | 23.99 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.31 | 225 | 284968  | 33.53 | ng | 97     |
| 35) Caprolactam                | 11.92 | 113 | 153594m | 40.80 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.26 | 107 | 502289  | 40.14 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 858485  | 41.86 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 496074  | 30.41 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.97 | 237 | 697231  | 74.25 | ng | 95     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.24 | 196  | 361796   | 38.59 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.32 | 196  | 377962   | 39.26 | ng    | 93       |
| 45) 1,1'-Biphenyl              | 13.64 | 154  | 1176569  | 41.43 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.69 | 162  | 967893   | 42.01 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.89 | 65   | 432889   | 44.04 | ng    | 94       |
| 48) Acenaphthylene             | 14.54 | 152  | 1489007  | 43.09 | ng    | 99       |
| 49) Dimethylphthalate          | 14.26 | 163  | 1327041  | 42.92 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.38 | 165  | 305389   | 43.95 | ng    | 90       |
| 51) Acenaphthene               | 14.88 | 154  | 972995   | 43.09 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.72 | 138  | 220865   | 31.88 | ng    | 89       |
| 53) 2,4-Dinitrophenol          | 14.92 | 184  | 384280   | 80.60 | ng    | 95       |
| 54) Dibenzofuran               | 15.21 | 168  | 1545663  | 45.73 | ng    | 99       |
| 55) 4-Nitrophenol              | 15.04 | 139  | 527744   | 90.87 | ng    | 90       |
| 56) 2,4-Dinitrotoluene         | 15.18 | 165  | 442877   | 43.72 | ng    | # 97     |
| 57) Fluorene                   | 15.87 | 166  | 1260518  | 43.33 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 402803m  | 41.82 | ng    |          |
| 59) Diethylphthalate           | 15.62 | 149  | 1392615  | 44.27 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204  | 694256   | 39.18 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.89 | 138  | 329345   | 43.93 | ng    | # 76     |
| 62) Azobenzene                 | 16.15 | 77   | 1573090  | 52.28 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.95 | 198  | 282567   | 41.88 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.07 | 169  | 1164342  | 44.51 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.75 | 248  | 459333   | 38.89 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.88 | 284  | 455533   | 35.47 | ng    | 95       |
| 68) Atrazine                   | 17.02 | 200  | 497192   | 42.85 | ng    | 94       |
| 69) Pentachlorophenol          | 17.22 | 266  | 603920   | 72.61 | ng    | 99       |
| 70) Phenanthrene               | 17.62 | 178  | 2037915  | 45.80 | ng    | 96       |
| 71) Anthracene                 | 17.71 | 178  | 2069080  | 45.92 | ng    | 96       |
| 72) Carbazole                  | 17.99 | 167  | 1884680  | 48.41 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.53 | 149  | 2217802  | 51.23 | ng    | 99       |
| 74) Fluoranthene               | 19.63 | 202  | 2346362  | 42.97 | ng    | 96       |
| 76) Benzidine                  | 19.81 | 184  | 1155636  | 42.55 | ng    | 99       |
| 77) Pyrene                     | 19.99 | 202  | 2357416  | 44.28 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.87 | 149  | 1109181  | 52.60 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.88 | 228  | 2369177  | 44.70 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 619485   | 26.63 | ng    | # 99     |
| 82) Chrysene                   | 21.95 | 228  | 2219927  | 44.65 | ng    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 1520936  | 51.94 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 23.03 | 149  | 2588986  | 53.02 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.21 | 276  | 2743717  | 43.28 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.22 | 252  | 2497830  | 44.20 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.29 | 252  | 2367089  | 44.14 | ng    | # 95     |
| 89) Benzo(a)pyrene             | 25.14 | 252  | 2418410  | 44.64 | ng    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 29.28 | 278  | 2253799  | 41.92 | ng    | # 92     |
| 91) Benzo(g,h,i)perylene       | 30.43 | 276  | 2270315  | 42.16 | ng    | # 94     |

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

