

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071417\  
 Data File : BG027924.D  
 Acq On : 14 Jul 2017 14:16  
 Operator : SJ/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC060

Quant Time: Jul 14 14:55:30 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 14:34:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.37  | 152  | 55043    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.19 | 136  | 238789   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.98 | 164  | 159977   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.73 | 188  | 393271   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.07 | 240  | 492618   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.59 | 264  | 451106   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.94  | 112 | 380268  | 106.39 | ng | 0.00 |
| 7) Phenol-d6             | 7.52  | 99  | 555103  | 101.66 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.55  | 82  | 533419  | 124.52 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.47 | 330 | 305909  | 139.41 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.61 | 172 | 1478217 | 131.97 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.31 | 244 | 2517158 | 119.79 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |         |    | Qvalue |
|--------------------------------|-------|-----|--------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.90  | 88  | 69197  | 51.996  | ng | 94     |
| 3) Pyridine                    | 4.29  | 79  | 215535 | 52.598  | ng | 93     |
| 4) n-Nitrosodimethylamine      | 4.20  | 42  | 114527 | 56.993  | ng | 87     |
| 6) Aniline                     | 7.70  | 93  | 324729 | 51.302  | ng | 94     |
| 8) 2-Chlorophenol              | 7.94  | 128 | 219181 | 54.874  | ng | 88     |
| 9) Benzaldehyde                | 7.51  | 77  | 138502 | 42.625  | ng | 83     |
| 10) Phenol                     | 7.55  | 94  | 289073 | 53.507  | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 7.78  | 93  | 206524 | 50.326  | ng | 90     |
| 12) 1,3-Dichlorobenzene        | 8.27  | 146 | 251163 | 59.117  | ng | # 90   |
| 13) 1,4-Dichlorobenzene        | 8.41  | 146 | 263419 | 59.837  | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.73  | 146 | 251348 | 58.885  | ng | 90     |
| 15) Benzyl Alcohol             | 8.61  | 79  | 174362 | 46.158  | ng | # 91   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.89  | 45  | 406139 | 46.400  | ng | 98     |
| 17) 2-Methylphenol             | 8.80  | 107 | 187738 | 49.118  | ng | 90     |
| 18) Hexachloroethane           | 9.46  | 117 | 85968  | 55.516  | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70  | 190109 | 47.854  | ng | 98     |
| 20) 3+4-Methylphenols          | 9.13  | 107 | 266174 | 48.291  | ng | 91     |
| 22) Acetophenone               | 9.19  | 105 | 357383 | 62.022  | ng | 91     |
| 24) Nitrobenzene               | 9.59  | 77  | 280864 | 62.711  | ng | # 88   |
| 25) Isophorone                 | 10.10 | 82  | 512275 | 54.861  | ng | # 93   |
| 26) 2-Nitrophenol              | 10.30 | 139 | 141353 | 69.873  | ng | # 77   |
| 27) 2,4-Dimethylphenol         | 10.34 | 122 | 238555 | 62.959  | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 10.58 | 93  | 291232 | 55.012  | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.83 | 162 | 260053 | 78.315  | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 11.05 | 180 | 284961 | 84.143  | ng | 97     |
| 31) Naphthalene                | 11.24 | 128 | 722114 | 56.865  | ng | 100    |
| 32) Benzoic acid               | 10.49 | 122 | 138862 | 68.825  | ng | # 78   |
| 33) 4-Chloroaniline            | 11.35 | 127 | 304743 | 55.549  | ng | # 89   |
| 34) Hexachlorobutadiene        | 11.52 | 225 | 199820 | 105.892 | ng | 98     |
| 35) Caprolactam                | 12.14 | 113 | 80130  | 47.977  | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.44 | 107 | 277743 | 59.441  | ng | 87     |
| 37) 2-Methylnaphthalene        | 12.82 | 142 | 554613 | 58.637  | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.19 | 216 | 399590 | 95.053  | ng | # 93   |
| 40) Hexachlorocyclopentadiene  | 13.17 | 237 | 201043 | 101.432 | ng | 97     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.42 | 196  | 250513   | 82.508 | ng    | 94       |
| 43) 2,4,5-Trichlorophenol      | 13.50 | 196  | 254093   | 73.858 | ng #  | 87       |
| 45) 1,1'-Biphenyl              | 13.82 | 154  | 847734   | 66.113 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.87 | 162  | 613989   | 63.386 | ng    | 96       |
| 47) 2-Nitroaniline             | 14.06 | 65   | 190610   | 49.161 | ng #  | 82       |
| 48) Acenaphthylene             | 14.71 | 152  | 978649   | 55.291 | ng    | 98       |
| 49) Dimethylphthalate          | 14.43 | 163  | 811384   | 59.454 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.55 | 165  | 176654   | 59.547 | ng #  | 70       |
| 51) Acenaphthene               | 15.05 | 154  | 595332   | 52.478 | ng    | 95       |
| 52) 3-Nitroaniline             | 14.89 | 138  | 173080   | 49.592 | ng #  | 73       |
| 53) 2,4-Dinitrophenol          | 15.09 | 184  | 110806   | 84.312 | ng    | 90       |
| 54) Dibenzofuran               | 15.38 | 168  | 920581   | 61.370 | ng    | 92       |
| 55) 4-Nitrophenol              | 15.19 | 139  | 133288   | 50.029 | ng #  | 65       |
| 56) 2,4-Dinitrotoluene         | 15.34 | 165  | 249696   | 60.344 | ng #  | 76       |
| 57) Fluorene                   | 16.03 | 166  | 832072   | 57.210 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.60 | 232  | 227599   | 76.745 | ng #  | 90       |
| 59) Diethylphthalate           | 15.78 | 149  | 786730   | 52.062 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.01 | 204  | 461171   | 71.628 | ng    | 89       |
| 61) 4-Nitroaniline             | 16.06 | 138  | 180017   | 49.509 | ng #  | 69       |
| 62) Azobenzene                 | 16.30 | 77   | 614630   | 46.287 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 16.10 | 198  | 171061   | 75.700 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 16.23 | 169  | 712866   | 55.723 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.91 | 248  | 308366   | 74.969 | ng    | 92       |
| 67) Hexachlorobenzene          | 17.04 | 284  | 332726   | 76.382 | ng #  | 88       |
| 68) Atrazine                   | 17.17 | 200  | 284420   | 70.419 | ng    | 97       |
| 69) Pentachlorophenol          | 17.38 | 266  | 198609   | 82.215 | ng    | 97       |
| 70) Phenanthrene               | 17.78 | 178  | 1250405  | 55.075 | ng    | 97       |
| 71) Anthracene                 | 17.87 | 178  | 1254404  | 54.715 | ng    | 99       |
| 72) Carbazole                  | 18.14 | 167  | 1147209  | 50.809 | ng #  | 95       |
| 73) Di-n-butylphthalate        | 18.66 | 149  | 1279250  | 51.558 | ng #  | 94       |
| 74) Fluoranthene               | 19.77 | 202  | 1527209  | 61.549 | ng    | 95       |
| 76) Benzidine                  | 19.94 | 184  | 686922   | 62.337 | ng    | 98       |
| 77) Pyrene                     | 20.13 | 202  | 1560169  | 50.466 | ng    | 99       |
| 79) Butylbenzylphthalate       | 21.00 | 149  | 599959   | 43.089 | ng    | 90       |
| 80) Benzo(a)anthracene         | 22.04 | 228  | 1614868  | 54.221 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.95 | 252  | 667977   | 61.795 | ng    | 99       |
| 82) Chrysene                   | 22.12 | 228  | 1546545  | 55.399 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.90 | 149  | 865810   | 42.552 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 23.22 | 149  | 1480336  | 44.037 | ng #  | 90       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.65 | 276  | 1878664  | 58.881 | ng #  | 93       |
| 87) Benzo(b)fluoranthene       | 24.46 | 252  | 1627738  | 56.008 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.54 | 252  | 1633623  | 56.865 | ng    | 96       |
| 89) Benzo(a)pyrene             | 25.43 | 252  | 1553716  | 56.974 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 29.71 | 278  | 1558885  | 56.426 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.92 | 276  | 1495600  | 56.330 | ng #  | 96       |

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

