

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060415\  
 Data File : BG017471.D  
 Acq On : 5 Jun 2015 11:02  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 05 15:41:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 01:31:15 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.511 | 0.432 | 15.5   | 101   | 0.00     |
| 3    | Pyridine                    | 1.365 | 1.340 | 1.8    | 107   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.895 | 1.027 | -14.7  | 125   | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.135 | 1.302 | -14.7  | 129   | 0.00     |
| 6    | Aniline                     | 2.076 | 2.088 | -0.6   | 114   | 0.00     |
| 7 S  | Phenol-d6                   | 1.547 | 1.850 | -19.6  | 133   | 0.00     |
| 8    | 2-Chlorophenol              | 1.342 | 1.539 | -14.7  | 131   | 0.00     |
| 9    | Benzaldehyde                | 1.050 | 1.018 | 3.0    | 105   | 0.00     |
| 10 C | Phenol                      | 1.589 | 1.908 | -20.1# | 131   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.210 | 1.238 | -2.3   | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.555 | -3.6   | 119   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.624 | -3.2   | 118   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.472 | 1.550 | -5.3   | 120   | -0.01    |
| 15   | Benzyl Alcohol              | 1.440 | 1.592 | -10.6  | 120   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.040 | 1.929 | 5.4    | 106   | 0.00     |
| 17   | 2-Methylphenol              | 1.205 | 1.415 | -17.4  | 131   | 0.01     |
| 18   | Hexachloroethane            | 0.627 | 0.662 | -5.6   | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.308 | 1.233 | 5.7    | 106   | -0.01    |
| 20   | 3+4-Methylphenols           | 1.668 | 1.975 | -18.4  | 130   | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 121   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.467 | 4.7    | 113   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.401 | 0.386 | 3.7    | 112   | 0.00     |
| 24   | Nitrobenzene                | 0.416 | 0.415 | 0.2    | 118   | 0.00     |
| 25   | Isophorone                  | 0.838 | 0.717 | 14.4   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.193 | 0.195 | -1.0   | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.314 | 0.344 | -9.6   | 130   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.383 | 0.354 | 7.6    | 107   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.306 | 0.391 | -27.8# | 149   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.359 | 0.0    | 120   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.045 | 0.0    | 119   | 0.00     |
| 32   | Benzoic acid                | 0.198 | 0.194 | 2.0    | 113   | 0.03     |
| 33   | 4-Chloroaniline             | 0.464 | 0.449 | 3.2    | 114   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.234 | 0.237 | -1.3   | 121   | 0.00     |
| 35   | Caprolactam                 | 0.168 | 0.143 | 14.9   | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.398 | 0.448 | -12.6  | 130   | 0.02     |
| 37   | 2-Methylnaphthalene         | 0.803 | 0.812 | -1.1   | 119   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 122   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.609 | 0.613 | -0.7   | 125   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.304 | 0.163 | 46.4#  | 62    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.278 | 0.285 | -2.5   | 122   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.436 | 0.488 | -11.9  | 128   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.477 | 0.556 | -16.6  | 142   | 0.02     |
| 44 S | 2-Fluorobiphenyl            | 1.326 | 1.313 | 1.0    | 120   | 0.00     |

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 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 01:31:15 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.462 | 1.459 | 0.2   | 119   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.222 | 1.235 | -1.1  | 117   | 0.00     |
| 47   | 2-Nitroaniline             | 0.451 | 0.465 | -3.1  | 121   | 0.00     |
| 48   | Acenaphthylene             | 2.153 | 2.171 | -0.8  | 120   | 0.00     |
| 49   | Dimethylphthalate          | 1.741 | 1.544 | 11.3  | 105   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.391 | 0.361 | 7.7   | 111   | 0.00     |
| 51 C | Acenaphthene               | 1.269 | 1.246 | 1.8   | 119   | 0.00     |
| 52   | 3-Nitroaniline             | 0.424 | 0.382 | 9.9   | 107   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.205 | 0.193 | 5.9   | 108   | 0.00     |
| 54   | Dibenzofuran               | 1.873 | 1.848 | 1.3   | 117   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.306 | 0.253 | 17.3  | 89    | 0.05     |
| 56   | 2,4-Dinitrotoluene         | 0.557 | 0.540 | 3.1   | 111   | 0.00     |
| 57   | Fluorene                   | 1.698 | 1.688 | 0.6   | 118   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.435 | 0.460 | -5.7  | 120   | 0.00     |
| 59   | Diethylphthalate           | 1.890 | 1.667 | 11.8  | 105   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.860 | 0.857 | 0.3   | 119   | 0.00     |
| 61   | 4-Nitroaniline             | 0.466 | 0.400 | 14.2  | 96    | 0.00     |
| 62   | Azobenzene                 | 1.796 | 1.754 | 2.3   | 115   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.148 | 0.146 | 1.4   | 108   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.597 | 0.643 | -7.7  | 117   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.221 | 0.234 | -5.9  | 119   | 0.00     |
| 67   | Hexachlorobenzene          | 0.238 | 0.262 | -10.1 | 123   | 0.00     |
| 68   | Atrazine                   | 0.263 | 0.251 | 4.6   | 103   | 0.00     |
| 69 C | Pentachlorophenol          | 0.128 | 0.117 | 8.6   | 98    | 0.00     |
| 70   | Phenanthrene               | 1.115 | 1.144 | -2.6  | 115   | 0.00     |
| 71   | Anthracene                 | 1.114 | 1.135 | -1.9  | 114   | 0.00     |
| 72   | Carbazole                  | 1.100 | 1.045 | 5.0   | 106   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.409 | 1.331 | 5.5   | 104   | 0.00     |
| 74 C | Fluoranthene               | 1.458 | 1.391 | 4.6   | 107   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 76   | Benzidine                  | 0.687 | 0.487 | 29.1# | 72    | 0.00     |
| 77   | Pyrene                     | 1.232 | 1.223 | 0.7   | 106   | 0.00     |
| 78 S | Terphenyl-d14              | 0.968 | 0.973 | -0.5  | 108   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.533 | 0.534 | -0.2  | 105   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.230 | 1.232 | -0.2  | 107   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.460 | 0.447 | 2.8   | 102   | 0.00     |
| 82   | Chrysene                   | 1.114 | 1.122 | -0.7  | 108   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.769 | 0.783 | -1.8  | 108   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.289 | 1.319 | -2.3  | 110   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.399 | 1.570 | -12.2 | 119   | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.267 | 1.292 | -2.0  | 111   | 0.00     |

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QLast Update : Thu Jun 04 01:31:15 2015  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.213 | 1.187 | 2.1  | 112   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.162 | 1.171 | -0.8 | 111   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.208 | 1.314 | -8.8 | 120   | 0.01     |
| 91   | Benzo(g,h,i)perylene   | 1.150 | 1.235 | -7.4 | 120   | 0.02     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2