

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060616\  
 Data File : BG022191.D  
 Acq On : 7 Jun 2016 5:55  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 07 06:41:33 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 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  | 94    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.496 | 0.520 | -4.8 | 107   | 0.00     |
| 3    | Pyridine                    | 1.340 | 1.306 | 2.5  | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.300 | 0.328 | -9.3 | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.034 | 1.072 | -3.7 | 94    | 0.00     |
| 6    | Aniline                     | 2.066 | 2.086 | -1.0 | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 1.626 | 1.676 | -3.1 | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 1.430 | 1.442 | -0.8 | 92    | 0.00     |
| 9    | Benzaldehyde                | 0.895 | 0.883 | 1.3  | 87    | 0.00     |
| 10 C | Phenol                      | 1.677 | 1.741 | -3.8 | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.337 | 1.326 | 0.8  | 90    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.533 | 1.471 | 4.0  | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.514 | 0.9  | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.539 | 1.497 | 2.7  | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.051 | 1.006 | 4.3  | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.387 | 1.345 | 3.0  | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.251 | 1.206 | 3.6  | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.558 | 0.537 | 3.8  | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.101 | 1.080 | 1.9  | 87    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.795 | 1.772 | 1.3  | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 88    | 0.00     |
| 22   | Acetophenone                | 0.431 | 0.445 | -3.2 | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.287 | 0.303 | -5.6 | 90    | 0.00     |
| 24   | Nitrobenzene                | 0.288 | 0.302 | -4.9 | 91    | 0.00     |
| 25   | Isophorone                  | 0.671 | 0.664 | 1.0  | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.156 | 0.160 | -2.6 | 86    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.283 | 0.290 | -2.5 | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.385 | 0.389 | -1.0 | 89    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.262 | 0.278 | -6.1 | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.293 | 0.294 | -0.3 | 88    | 0.00     |
| 31   | Naphthalene                 | 0.998 | 0.996 | 0.2  | 91    | 0.00     |
| 32   | Benzoic acid                | 0.087 | 0.076 | 12.6 | 74    | 0.00     |
| 33   | 4-Chloroaniline             | 0.415 | 0.423 | -1.9 | 88    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.154 | 1.9  | 90    | 0.00     |
| 35   | Caprolactam                 | 0.144 | 0.136 | 5.6  | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.311 | 0.324 | -4.2 | 90    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.737 | 0.726 | 1.5  | 87    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 88    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.515 | 0.520 | -1.0 | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.233 | 0.228 | 2.1  | 84    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.226 | 0.233 | -3.1 | 89    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.345 | 0.364 | -5.5 | 89    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.382 | 0.378 | 1.0  | 87    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.312 | 1.333 | -1.6 | 88    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.505 | 1.547 | -2.8 | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.154 | 1.193 | -3.4 | 89    | 0.00     |
| 47   | 2-Nitroaniline             | 0.275 | 0.276 | -0.4 | 85    | 0.00     |
| 48   | Acenaphthylene             | 2.024 | 2.046 | -1.1 | 89    | 0.00     |
| 49   | Dimethylphthalate          | 1.658 | 1.629 | 1.7  | 88    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.360 | 0.366 | -1.7 | 87    | 0.00     |
| 51 C | Acenaphthene               | 1.213 | 1.199 | 1.2  | 88    | 0.00     |
| 52   | 3-Nitroaniline             | 0.400 | 0.380 | 5.0  | 89    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.108 | 0.118 | -9.3 | 86    | 0.00     |
| 54   | Dibenzofuran               | 1.893 | 1.913 | -1.1 | 89    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.276 | 0.275 | 0.4  | 81    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.484 | 0.510 | -5.4 | 87    | 0.00     |
| 57   | Fluorene                   | 1.631 | 1.617 | 0.9  | 87    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.342 | 0.363 | -6.1 | 95    | 0.00     |
| 59   | Diethylphthalate           | 1.771 | 1.729 | 2.4  | 88    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.738 | 0.755 | -2.3 | 89    | 0.00     |
| 61   | 4-Nitroaniline             | 0.424 | 0.418 | 1.4  | 86    | 0.00     |
| 62   | Azobenzene                 | 1.341 | 1.362 | -1.6 | 90    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 88    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.092 | 0.095 | -3.3 | 84    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.576 | 0.589 | -2.3 | 87    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.187 | 0.192 | -2.7 | 88    | 0.00     |
| 67   | Hexachlorobenzene          | 0.218 | 0.216 | 0.9  | 86    | 0.00     |
| 68   | Atrazine                   | 0.213 | 0.210 | 1.4  | 86    | 0.00     |
| 69 C | Pentachlorophenol          | 0.084 | 0.084 | 0.0  | 88    | 0.00     |
| 70   | Phenanthrene               | 1.086 | 1.082 | 0.4  | 89    | 0.00     |
| 71   | Anthracene                 | 1.077 | 1.098 | -1.9 | 89    | 0.00     |
| 72   | Carbazole                  | 1.020 | 1.021 | -0.1 | 88    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.334 | 1.330 | 0.3  | 89    | 0.00     |
| 74 C | Fluoranthene               | 1.249 | 1.232 | 1.4  | 89    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 76   | Benzidine                  | 0.523 | 0.539 | -3.1 | 82    | 0.00     |
| 77   | Pyrene                     | 1.243 | 1.259 | -1.3 | 90    | 0.00     |
| 78 S | Terphenyl-d14              | 0.842 | 0.851 | -1.1 | 88    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.577 | 0.584 | -1.2 | 89    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.121 | 1.130 | -0.8 | 90    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.315 | 0.322 | -2.2 | 87    | 0.00     |
| 82   | Chrysene                   | 1.091 | 1.077 | 1.3  | 90    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.848 | 0.857 | -1.1 | 89    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.408 | 1.464 | -4.0 | 91    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.224 | 1.272 | -3.9 | 91    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 91    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.166 | 1.177 | -0.9 | 91    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.148 | 1.161 | -1.1 | 92    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.115 | 1.125 | -0.9 | 91    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.050 | 1.078 | -2.7 | 91    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.093 | 1.100 | -0.6 | 91    | 0.00     |

(#) = Out of Range

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