

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080615\  
 Data File : BF080904.D  
 Acq On : 7 Aug 2015 00:08  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 07 07:19:11 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 07 03:17:12 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.608 | 0.597 | 1.8   | 97    | 0.00     |
| 3    | Pyridine                    | 1.709 | 1.828 | -7.0  | 97    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.884 | 0.908 | -2.7  | 97    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.255 | 1.280 | -2.0  | 98    | 0.00     |
| 6    | Aniline                     | 2.562 | 2.435 | 5.0   | 95    | 0.00     |
| 7 S  | Phenol-d6                   | 1.727 | 1.773 | -2.7  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.425 | 1.512 | -6.1  | 101   | 0.00     |
| 9    | Benzaldehyde                | 1.190 | 1.190 | 0.0   | 100   | 0.00     |
| 10 C | Phenol                      | 2.072 | 2.261 | -9.1  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.467 | 1.407 | 4.1   | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.545 | 1.547 | -0.1  | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.530 | 2.7   | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.442 | 1.433 | 0.6   | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.370 | 1.460 | -6.6  | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.011 | 2.882 | 4.3   | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.277 | 1.304 | -2.1  | 97    | 0.00     |
| 18   | Hexachloroethane            | 0.598 | 0.594 | 0.7   | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.230 | 1.234 | -0.3  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.548 | 1.434 | 7.4   | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 22   | Acetophenone                | 0.500 | 0.454 | 9.2   | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.425 | 0.439 | -3.3  | 99    | 0.00     |
| 24   | Nitrobenzene                | 0.433 | 0.388 | 10.4  | 94    | 0.00     |
| 25   | Isophorone                  | 0.814 | 0.799 | 1.8   | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.182 | 0.189 | -3.8  | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.348 | 0.353 | -1.4  | 92    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.482 | 0.423 | 12.2  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.268 | 3.6   | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.308 | 0.315 | -2.3  | 97    | 0.00     |
| 31   | Naphthalene                 | 1.085 | 1.102 | -1.6  | 96    | 0.00     |
| 32   | Benzoic acid                | 0.222 | 0.240 | -8.1  | 100   | 0.00     |
| 33   | 4-Chloroaniline             | 0.449 | 0.464 | -3.3  | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.168 | 4.0   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.104 | 0.109 | -4.8  | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.335 | 0.341 | -1.8  | 100   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.669 | 0.687 | -2.7  | 103   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.609 | 0.617 | -1.3  | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.350 | 0.364 | -4.0  | 93    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.215 | 0.240 | -11.6 | 101   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.449 | 0.410 | 8.7   | 94    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.456 | 0.451 | 1.1   | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.403 | 1.427 | -1.7  | 106   | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.692 | 1.790 | -5.8  | 97    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.323 | 1.391 | -5.1  | 97    | 0.00     |
| 47   | 2-Nitroaniline             | 0.538 | 0.595 | -10.6 | 104   | 0.00     |
| 48   | Acenaphthylene             | 2.320 | 2.446 | -5.4  | 101   | 0.00     |
| 49   | Dimethylphthalate          | 1.588 | 1.471 | 7.4   | 93    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.341 | 0.322 | 5.6   | 96    | 0.00     |
| 51 C | Acenaphthene               | 1.410 | 1.485 | -5.3  | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 0.421 | 0.441 | -4.8  | 106   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.187 | 0.213 | -13.9 | 106   | 0.00     |
| 54   | Dibenzofuran               | 1.910 | 1.998 | -4.6  | 101   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.318 | 0.345 | -8.5  | 93    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.458 | 0.418 | 8.7   | 91    | 0.00     |
| 57   | Fluorene                   | 1.494 | 1.607 | -7.6  | 99    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.364 | 0.359 | 1.4   | 100   | 0.00     |
| 59   | Diethylphthalate           | 1.730 | 1.638 | 5.3   | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.700 | 0.638 | 8.9   | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 0.432 | 0.449 | -3.9  | 95    | -0.01    |
| 62   | Azobenzene                 | 1.896 | 1.888 | 0.4   | 102   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.130 | 0.144 | -10.8 | 103   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.713 | 0.749 | -5.0  | 100   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.217 | 0.212 | 2.3   | 100   | 0.00     |
| 67   | Hexachlorobenzene          | 0.235 | 0.239 | -1.7  | 96    | 0.00     |
| 68   | Atrazine                   | 0.206 | 0.211 | -2.4  | 103   | 0.00     |
| 69 C | Pentachlorophenol          | 0.132 | 0.134 | -1.5  | 99    | 0.00     |
| 70   | Phenanthrene               | 1.170 | 1.140 | 2.6   | 95    | 0.00     |
| 71   | Anthracene                 | 1.152 | 1.144 | 0.7   | 106   | 0.00     |
| 72   | Carbazole                  | 1.163 | 1.131 | 2.8   | 92    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.418 | 1.367 | 3.6   | 101   | 0.00     |
| 74 C | Fluoranthene               | 1.280 | 1.249 | 2.4   | 104   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 76   | Benzidine                  | 0.817 | 0.908 | -11.1 | 101   | 0.00     |
| 77   | Pyrene                     | 1.487 | 1.576 | -6.0  | 106   | 0.00     |
| 78 S | Terphenyl-d14              | 0.949 | 0.978 | -3.1  | 105   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.711 | 0.771 | -8.4  | 95    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.307 | 1.336 | -2.2  | 100   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.489 | 0.560 | -14.5 | 101   | 0.00     |
| 82   | Chrysene                   | 1.249 | 1.357 | -8.6  | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.974 | 1.039 | -6.7  | 99    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.717 | 1.861 | -8.4  | 102   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.216 | 1.347 | -10.8 | 104   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.405 | 1.512 | -7.6  | 108   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.183 | 1.021 | 13.7 | 91    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.210 | 1.202 | 0.7  | 97    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.043 | 1.080 | -3.5 | 103   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.011 | 1.040 | -2.9 | 102   | 0.00     |

(#) = Out of Range

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