

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\  
 Data File : BF084804.D  
 Acq On : 4 Feb 2016 00:24  
 Operator : SJ/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 04 04:41:39 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.562 | 0.576 | -2.5  | 92    | -0.01    |
| 3    | Pyridine                    | 1.465 | 1.591 | -8.6  | 100   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.758 | 0.725 | 4.4   | 83    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.284 | 1.361 | -6.0  | 99    | 0.00     |
| 6    | Aniline                     | 1.948 | 2.053 | -5.4  | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.592 | 1.572 | 1.3   | 93    | 0.00     |
| 8    | 2-Chlorophenol              | 1.453 | 1.537 | -5.8  | 91    | 0.00     |
| 9    | Benzaldehyde                | 0.940 | 0.949 | -1.0  | 87    | -0.01    |
| 10 C | Phenol                      | 1.783 | 1.724 | 3.3   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.391 | 1.419 | -2.0  | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.536 | 1.593 | -3.7  | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.535 | 1.639 | -6.8  | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.430 | 1.349 | 5.7   | 81    | 0.00     |
| 15   | Benzyl Alcohol              | 1.099 | 1.134 | -3.2  | 93    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.339 | 2.310 | 1.2   | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.149 | 1.187 | -3.3  | 86    | 0.00     |
| 18   | Hexachloroethane            | 0.591 | 0.588 | 0.5   | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.998 | 0.989 | 0.9   | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.427 | 1.401 | 1.8   | 88    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 22   | Acetophenone                | 0.527 | 0.506 | 4.0   | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.355 | 0.372 | -4.8  | 93    | 0.00     |
| 24   | Nitrobenzene                | 0.380 | 0.340 | 10.5  | 90    | 0.00     |
| 25   | Isophorone                  | 0.690 | 0.681 | 1.3   | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.188 | 0.194 | -3.2  | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.326 | 0.292 | 10.4  | 87    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.410 | 0.376 | 8.3   | 86    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.279 | 0.276 | 1.1   | 86    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.315 | 0.299 | 5.1   | 88    | 0.00     |
| 31   | Naphthalene                 | 1.003 | 0.944 | 5.9   | 91    | 0.00     |
| 32   | Benzoic acid                | 0.209 | 0.231 | -10.5 | 100   | 0.00     |
| 33   | 4-Chloroaniline             | 0.415 | 0.398 | 4.1   | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.182 | 0.181 | 0.5   | 89    | 0.00     |
| 35   | Caprolactam                 | 0.086 | 0.094 | -9.3  | 87    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.300 | 5.7   | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.628 | 0.645 | -2.7  | 89    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 84    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.635 | 0.591 | 6.9   | 87    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.223 | 0.262 | -17.5 | 99    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.209 | 0.209 | 0.0   | 81    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.409 | 0.400 | 2.2   | 81    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.416 | 0.416 | 0.0   | 88    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.321 | 1.364 | -3.3  | 98    | 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              | 1.786 | 1.704 | 4.6   | 80    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.316 | 1.226 | 6.8   | 81    | 0.00     |
| 47   | 2-Nitroaniline             | 0.417 | 0.375 | 10.1  | 87    | 0.00     |
| 48   | Acenaphthylene             | 1.996 | 1.838 | 7.9   | 78    | -0.01    |
| 49   | Dimethylphthalate          | 1.523 | 1.539 | -1.1  | 85    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.333 | 0.369 | -10.8 | 89    | 0.00     |
| 51 C | Acenaphthene               | 1.299 | 1.223 | 5.9   | 81    | -0.01    |
| 52   | 3-Nitroaniline             | 0.374 | 0.339 | 9.4   | 80    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.133 | 0.158 | -18.8 | 94    | 0.00     |
| 54   | Dibenzofuran               | 1.587 | 1.529 | 3.7   | 81    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.275 | 0.272 | 1.1   | 76    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.424 | 0.466 | -9.9  | 92    | 0.00     |
| 57   | Fluorene                   | 1.326 | 1.236 | 6.8   | 77    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.317 | 0.333 | -5.0  | 100   | 0.00     |
| 59   | Diethylphthalate           | 1.487 | 1.435 | 3.5   | 85    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.621 | 0.642 | -3.4  | 94    | 0.00     |
| 61   | 4-Nitroaniline             | 0.364 | 0.376 | -3.3  | 90    | 0.00     |
| 62   | Azobenzene                 | 1.430 | 1.548 | -8.3  | 93    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.123 | 0.130 | -5.7  | 90    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.635 | 0.664 | -4.6  | 88    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.221 | 0.227 | -2.7  | 87    | 0.00     |
| 67   | Hexachlorobenzene          | 0.241 | 0.234 | 2.9   | 92    | 0.00     |
| 68   | Atrazine                   | 0.201 | 0.184 | 8.5   | 89    | 0.00     |
| 69 C | Pentachlorophenol          | 0.113 | 0.113 | 0.0   | 87    | 0.00     |
| 70   | Phenanthrene               | 1.109 | 1.056 | 4.8   | 92    | 0.00     |
| 71   | Anthracene                 | 1.118 | 1.116 | 0.2   | 85    | 0.00     |
| 72   | Carbazole                  | 0.975 | 0.906 | 7.1   | 78    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.241 | 1.157 | 6.8   | 88    | 0.00     |
| 74 C | Fluoranthene               | 1.123 | 1.099 | 2.1   | 85    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 76   | Benzidine                  | 0.597 | 0.708 | -18.6 | 89    | 0.00     |
| 77   | Pyrene                     | 1.531 | 1.395 | 8.9   | 79    | 0.00     |
| 78 S | Terphenyl-d14              | 0.883 | 0.907 | -2.7  | 97    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.695 | 0.652 | 6.2   | 79    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.241 | 1.184 | 4.6   | 86    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.440 | 0.392 | 10.9  | 73    | -0.01    |
| 82   | Chrysene                   | 1.204 | 1.028 | 14.6  | 75    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.864 | 0.871 | -0.8  | 88    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.426 | 1.322 | 7.3   | 81    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.947 | 0.905 | 4.4   | 88    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 79    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.344 | 1.252 | 6.8   | 73    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.111 | 1.179 | -6.1  | 86    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.145 | 1.117 | 2.4   | 76    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.964 | 1.054 | -9.3  | 88    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.971 | 1.092 | -12.5 | 90    | 0.00     |

(#) = Out of Range

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