

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\  
 Data File : BF078195.D  
 Acq On : 2 Apr 2015 12:44  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 02 14:07:08 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 02 13:21:29 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   | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.549 | 0.564 | -2.7  | 107   | 0.00     |
| 3    | Pyridine                    | 1.437 | 1.452 | -1.0  | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.553 | 0.548 | 0.9   | 106   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.213 | 1.228 | -1.2  | 107   | 0.00     |
| 6    | Aniline                     | 2.156 | 2.144 | 0.6   | 107   | 0.00     |
| 7 S  | Phenol-d6                   | 1.520 | 1.505 | 1.0   | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 1.434 | 1.416 | 1.3   | 104   | 0.00     |
| 9    | Benzaldehyde                | 1.008 | 1.005 | 0.3   | 103   | 0.00     |
| 10 C | Phenol                      | 1.822 | 1.766 | 3.1   | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.310 | 1.339 | -2.2  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.576 | 1.546 | 1.9   | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.586 | 1.566 | 1.3   | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.487 | 1.471 | 1.1   | 106   | 0.00     |
| 15   | Benzyl Alcohol              | 1.068 | 1.048 | 1.9   | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.747 | 1.744 | 0.2   | 106   | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.131 | -1.5  | 105   | 0.00     |
| 18   | Hexachloroethane            | 0.535 | 0.531 | 0.7   | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.003 | 1.003 | 0.0   | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.486 | 1.501 | -1.0  | 104   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                | 0.466 | 0.473 | -1.5  | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.330 | 0.333 | -0.9  | 105   | 0.00     |
| 24   | Nitrobenzene                | 0.345 | 0.344 | 0.3   | 106   | 0.00     |
| 25   | Isophorone                  | 0.626 | 0.652 | -4.2  | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.164 | 0.176 | -7.3  | 103   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.306 | 0.313 | -2.3  | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.413 | -2.7  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.280 | -0.7  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.319 | 0.318 | 0.3   | 107   | 0.00     |
| 31   | Naphthalene                 | 1.041 | 1.042 | -0.1  | 106   | 0.00     |
| 32   | Benzoic acid                | 0.132 | 0.139 | -5.3  | 105   | 0.00     |
| 33   | 4-Chloroaniline             | 0.432 | 0.456 | -5.6  | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.175 | 0.0   | 105   | -0.01    |
| 35   | Caprolactam                 | 0.083 | 0.089 | -7.2  | 106   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.281 | 0.298 | -6.0  | 108   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.707 | 0.696 | 1.6   | 103   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.620 | 0.635 | -2.4  | 105   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.227 | 0.234 | -3.1  | 103   | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.166 | 0.179 | -7.8  | 107   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.391 | 0.431 | -10.2 | 111   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.408 | 0.426 | -4.4  | 106   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.399 | 1.379 | 1.4   | 104   | 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              | 1.636 | 1.660 | -1.5  | 105   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.287 | 1.279 | 0.6   | 104   | 0.00     |
| 47   | 2-Nitroaniline             | 0.318 | 0.358 | -12.6 | 111   | 0.00     |
| 48   | Acenaphthylene             | 2.079 | 2.102 | -1.1  | 104   | 0.00     |
| 49   | Dimethylphthalate          | 1.503 | 1.505 | -0.1  | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.309 | 0.328 | -6.1  | 106   | 0.00     |
| 51 C | Acenaphthene               | 1.170 | 1.171 | -0.1  | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 0.352 | 0.387 | -9.9  | 105   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.083 | 0.085 | -2.4  | 102   | 0.00     |
| 54   | Dibenzofuran               | 1.787 | 1.809 | -1.2  | 107   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.226 | 0.235 | -4.0  | 98    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.400 | 0.437 | -9.2  | 107   | 0.00     |
| 57   | Fluorene                   | 1.449 | 1.493 | -3.0  | 106   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.303 | 0.340 | -12.2 | 111   | 0.00     |
| 59   | Diethylphthalate           | 1.449 | 1.529 | -5.5  | 107   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.666 | 0.694 | -4.2  | 109   | -0.01    |
| 61   | 4-Nitroaniline             | 0.355 | 0.406 | -14.4 | 108   | 0.00     |
| 62   | Azobenzene                 | 1.322 | 1.340 | -1.4  | 106   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.092 | -5.7  | 108   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.692 | 0.697 | -0.7  | 105   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.212 | 0.218 | -2.8  | 107   | 0.00     |
| 67   | Hexachlorobenzene          | 0.232 | 0.231 | 0.4   | 104   | 0.00     |
| 68   | Atrazine                   | 0.200 | 0.226 | -13.0 | 110   | 0.00     |
| 69 C | Pentachlorophenol          | 0.085 | 0.093 | -9.4  | 106   | 0.00     |
| 70   | Phenanthrene               | 1.157 | 1.183 | -2.2  | 106   | 0.00     |
| 71   | Anthracene                 | 1.140 | 1.178 | -3.3  | 107   | 0.00     |
| 72   | Carbazole                  | 1.068 | 1.151 | -7.8  | 108   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.210 | 1.300 | -7.4  | 106   | 0.00     |
| 74 C | Fluoranthene               | 1.220 | 1.251 | -2.5  | 107   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 103   | -0.01    |
| 76   | Benzidine                  | 0.770 | 0.733 | 4.8   | 96    | 0.00     |
| 77   | Pyrene                     | 1.256 | 1.249 | 0.6   | 103   | -0.01    |
| 78 S | Terphenyl-d14              | 0.885 | 0.906 | -2.4  | 104   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.479 | 0.530 | -10.6 | 105   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.190 | 1.197 | -0.6  | 99    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.399 | 0.407 | -2.0  | 101   | -0.01    |
| 82   | Chrysene                   | 1.118 | 1.128 | -0.9  | 107   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.751 | 0.821 | -9.3  | 105   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.232 | 1.361 | -10.5 | 105   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.269 | 1.326 | -4.5  | 105   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.236 | 1.376 | -11.3 | 121   | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.098 | 0.952 | 13.3 | 90    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.079 | 1.090 | -1.0 | 104   | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.080 | 1.085 | -0.5 | 104   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 1.083 | 1.110 | -2.5 | 108   | -0.01    |

(#) = Out of Range

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