

Data Path : Z:\HPCHEM1\BNA F\Data\BF040615\  
 Data File : BF078273.D  
 Acq On : 7 Apr 2015 00:19  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 07 03:23:54 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 07 04:11:17 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    | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.549 | 0.481 | 12.4   | 100   | -0.02    |
| 3    | Pyridine                    | 1.437 | 1.549 | -7.8   | 117   | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.553 | 0.595 | -7.6   | 126   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.213 | 1.185 | 2.3    | 113   | -0.01    |
| 6    | Aniline                     | 2.156 | 2.143 | 0.6    | 116   | 0.00     |
| 7 S  | Phenol-d6                   | 1.520 | 1.561 | -2.7   | 120   | 0.01     |
| 8    | 2-Chlorophenol              | 1.434 | 1.438 | -0.3   | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.008 | 0.899 | 10.8   | 100   | -0.01    |
| 10 C | Phenol                      | 1.822 | 1.777 | 2.5    | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.310 | 1.323 | -1.0   | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.576 | 1.552 | 1.5    | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.586 | 1.575 | 0.7    | 117   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.487 | 1.456 | 2.1    | 115   | 0.00     |
| 15   | Benzyl Alcohol              | 1.068 | 1.084 | -1.5   | 117   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.747 | 1.718 | 1.7    | 114   | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.095 | 1.7    | 111   | 0.00     |
| 18   | Hexachloroethane            | 0.535 | 0.538 | -0.6   | 117   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.003 | 0.996 | 0.7    | 114   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.486 | 1.495 | -0.6   | 114   | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 119   | 0.00     |
| 22   | Acetophenone                | 0.466 | 0.460 | 1.3    | 116   | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.330 | 0.314 | 4.8    | 112   | 0.00     |
| 24   | Nitrobenzene                | 0.345 | 0.345 | 0.0    | 120   | -0.01    |
| 25   | Isophorone                  | 0.626 | 0.622 | 0.6    | 113   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.164 | 0.161 | 1.8    | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.306 | 0.301 | 1.6    | 113   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.403 | -0.2   | 116   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.276 | 0.7    | 115   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.319 | 0.303 | 5.0    | 115   | -0.01    |
| 31   | Naphthalene                 | 1.041 | 0.991 | 4.8    | 114   | -0.01    |
| 32   | Benzoic acid                | 0.132 | 0.172 | -30.3# | 147   | 0.01     |
| 33   | 4-Chloroaniline             | 0.432 | 0.430 | 0.5    | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.177 | -1.1   | 119   | -0.01    |
| 35   | Caprolactam                 | 0.083 | 0.084 | -1.2   | 113   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.281 | 0.286 | -1.8   | 116   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.707 | 0.674 | 4.7    | 113   | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 116   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.620 | 0.604 | 2.6    | 112   | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.227 | 0.250 | -10.1  | 124   | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.166 | 0.185 | -11.4  | 123   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.391 | 0.424 | -8.4   | 122   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.408 | 0.433 | -6.1   | 121   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.399 | 1.422 | -1.6   | 120   | 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 | 1.594 | 2.6   | 113   | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.287 | 1.276 | 0.9   | 116   | 0.00     |
| 47   | 2-Nitroaniline             | 0.318 | 0.349 | -9.7  | 122   | 0.00     |
| 48   | Acenaphthylene             | 2.079 | 2.130 | -2.5  | 118   | -0.01    |
| 49   | Dimethylphthalate          | 1.503 | 1.552 | -3.3  | 122   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.309 | 0.325 | -5.2  | 118   | -0.01    |
| 51 C | Acenaphthene               | 1.170 | 1.192 | -1.9  | 121   | 0.00     |
| 52   | 3-Nitroaniline             | 0.352 | 0.393 | -11.6 | 120   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.083 | 0.068 | 18.1  | 92    | 0.00     |
| 54   | Dibenzofuran               | 1.787 | 1.783 | 0.2   | 118   | -0.01    |
| 55 P | 4-Nitrophenol              | 0.226 | 0.239 | -5.8  | 112   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.400 | 0.415 | -3.7  | 113   | -0.01    |
| 57   | Fluorene                   | 1.449 | 1.506 | -3.9  | 120   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.303 | 0.318 | -5.0  | 116   | 0.00     |
| 59   | Diethylphthalate           | 1.449 | 1.472 | -1.6  | 115   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.666 | 0.702 | -5.4  | 123   | -0.01    |
| 61   | 4-Nitroaniline             | 0.355 | 0.373 | -5.1  | 111   | 0.00     |
| 62   | Azobenzene                 | 1.322 | 1.521 | -15.1 | 134   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 124   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.086 | 1.1   | 119   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.692 | 0.696 | -0.6  | 122   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.212 | 0.210 | 0.9   | 120   | -0.01    |
| 67   | Hexachlorobenzene          | 0.232 | 0.231 | 0.4   | 120   | -0.01    |
| 68   | Atrazine                   | 0.200 | 0.190 | 5.0   | 108   | -0.01    |
| 69 C | Pentachlorophenol          | 0.085 | 0.094 | -10.6 | 125   | 0.00     |
| 70   | Phenanthrene               | 1.157 | 1.140 | 1.5   | 119   | -0.01    |
| 71   | Anthracene                 | 1.140 | 1.115 | 2.2   | 118   | -0.01    |
| 72   | Carbazole                  | 1.068 | 1.063 | 0.5   | 116   | -0.01    |
| 73   | Di-n-butylphthalate        | 1.210 | 1.251 | -3.4  | 119   | -0.01    |
| 74 C | Fluoranthene               | 1.220 | 1.220 | 0.0   | 121   | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 120   | -0.02    |
| 76   | Benzidine                  | 0.770 | 0.650 | 15.6  | 98    | -0.01    |
| 77   | Pyrene                     | 1.256 | 1.216 | 3.2   | 116   | -0.02    |
| 78 S | Terphenyl-d14              | 0.885 | 0.896 | -1.2  | 120   | -0.01    |
| 79   | Butylbenzylphthalate       | 0.479 | 0.525 | -9.6  | 121   | -0.01    |
| 80   | Benzo(a)anthracene         | 1.190 | 1.181 | 0.8   | 113   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.399 | 0.406 | -1.8  | 117   | -0.02    |
| 82   | Chrysene                   | 1.118 | 1.149 | -2.8  | 127   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.751 | 0.792 | -5.5  | 117   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.232 | 1.338 | -8.6  | 121   | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.269 | 1.337 | -5.4  | 123   | -0.11    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 119   | -0.08    |
| 87   | Benzo(b)fluoranthene       | 1.236 | 1.240 | -0.3  | 124   | -0.06    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.098 | 1.161 | -5.7 | 124   | -0.06    |
| 89 C | Benzo(a)pyrene         | 1.079 | 1.130 | -4.7 | 122   | -0.08    |
| 90   | Dibenzo(a,h)anthracene | 1.080 | 1.105 | -2.3 | 121   | -0.13    |
| 91   | Benzo(a,h,i)perylene   | 1.083 | 1.125 | -3.9 | 124   | -0.13    |

(#) = Out of Range

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