

Data Path : Z:\HPCHEM1\BNA F\Data\BF040716\  
 Data File : BF086125.D  
 Acq On : 7 Apr 2016 11:55  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 08 01:53:47 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 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    | 109   | -0.03    |
| 2    | 1,4-Dioxane                 | 0.555 | 0.625 | -12.6  | 129   | -0.06    |
| 3    | Pyridine                    | 1.242 | 1.619 | -30.4# | 129   | -0.08    |
| 4    | n-Nitrosodimethylamine      | 0.546 | 0.582 | -6.6   | 115   | -0.07    |
| 5 S  | 2-Fluorophenol              | 1.170 | 1.222 | -4.4   | 114   | -0.05    |
| 6    | Aniline                     | 1.950 | 1.992 | -2.2   | 110   | -0.03    |
| 7 S  | Phenol-d6                   | 1.486 | 1.504 | -1.2   | 108   | -0.03    |
| 8    | 2-Chlorophenol              | 1.395 | 1.438 | -3.1   | 116   | -0.03    |
| 9    | Benzaldehyde                | 0.800 | 0.832 | -4.0   | 113   | -0.05    |
| 10 C | Phenol                      | 1.695 | 1.662 | 1.9    | 100   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.342 | 1.318 | 1.8    | 120   | -0.03    |
| 12   | 1,3-Dichlorobenzene         | 1.479 | 1.532 | -3.6   | 116   | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.524 | 1.533 | -0.6   | 115   | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 1.402 | 1.470 | -4.9   | 113   | -0.03    |
| 15   | Benzyl Alcohol              | 0.962 | 0.977 | -1.6   | 115   | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.640 | 1.674 | -2.1   | 113   | -0.03    |
| 17   | 2-Methylphenol              | 1.100 | 1.161 | -5.5   | 122   | -0.02    |
| 18   | Hexachloroethane            | 0.560 | 0.567 | -1.2   | 115   | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.921 | 0.856 | 7.1    | 111   | -0.03    |
| 20   | 3+4-Methylphenols           | 1.338 | 1.479 | -10.5  | 125   | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 112   | -0.03    |
| 22   | Acetophenone                | 0.470 | 0.485 | -3.2   | 121   | -0.03    |
| 23 S | Nitrobenzene-d5             | 0.339 | 0.331 | 2.4    | 117   | -0.03    |
| 24   | Nitrobenzene                | 0.371 | 0.410 | -10.5  | 126   | -0.03    |
| 25   | Isophorone                  | 0.669 | 0.673 | -0.6   | 116   | -0.03    |
| 26 C | 2-Nitrophenol               | 0.178 | 0.189 | -6.2   | 124   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.319 | 0.307 | 3.8    | 120   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.393 | 0.370 | 5.9    | 117   | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.270 | 0.274 | -1.5   | 119   | -0.03    |
| 30   | 1,2,4-Trichlorobenzene      | 0.303 | 0.305 | -0.7   | 118   | -0.03    |
| 31   | Naphthalene                 | 1.006 | 0.967 | 3.9    | 113   | -0.03    |
| 32   | Benzoic acid                | 0.234 | 0.161 | 31.2#  | 76    | -0.03    |
| 33   | 4-Chloroaniline             | 0.406 | 0.399 | 1.7    | 117   | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.163 | 0.160 | 1.8    | 114   | -0.03    |
| 35   | Caprolactam                 | 0.086 | 0.086 | 0.0    | 106   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.303 | 0.321 | -5.9   | 119   | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.657 | 0.615 | 6.4    | 113   | -0.03    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 114   | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.601 | 0.614 | -2.2   | 118   | -0.03    |
| 40 P | Hexachlorocyclopentadiene   | 0.163 | 0.126 | 22.7   | 87    | -0.03    |
| 41 S | 2,4,6-Tribromophenol        | 0.188 | 0.177 | 5.9    | 106   | -0.03    |
| 42 C | 2,4,6-Trichlorophenol       | 0.386 | 0.404 | -4.7   | 120   | -0.03    |
| 43   | 2,4,5-Trichlorophenol       | 0.392 | 0.407 | -3.8   | 121   | -0.03    |
| 44 S | 2-Fluorobiphenyl            | 1.203 | 1.212 | -0.7   | 112   | -0.03    |

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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) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.724 | 1.709 | 0.9   | 116   | -0.03    |
| 46   | 2-Chloronaphthalene        | 1.250 | 1.297 | -3.8  | 117   | -0.03    |
| 47   | 2-Nitroaniline             | 0.366 | 0.411 | -12.3 | 124   | -0.03    |
| 48   | Acenaphthylene             | 2.002 | 2.021 | -0.9  | 111   | -0.03    |
| 49   | Dimethylphthalate          | 1.482 | 1.479 | 0.2   | 123   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.314 | 0.286 | 8.9   | 97    | -0.03    |
| 51 C | Acenaphthene               | 1.191 | 1.179 | 1.0   | 111   | -0.03    |
| 52   | 3-Nitroaniline             | 0.378 | 0.358 | 5.3   | 100   | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 0.127 | 0.130 | -2.4  | 96    | -0.03    |
| 54   | Dibenzofuran               | 1.573 | 1.513 | 3.8   | 108   | -0.03    |
| 55 P | 4-Nitrophenol              | 0.223 | 0.216 | 3.1   | 112   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.396 | 0.404 | -2.0  | 123   | -0.02    |
| 57   | Fluorene                   | 1.344 | 1.362 | -1.3  | 112   | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.292 | 0.305 | -4.5  | 121   | -0.03    |
| 59   | Diethylphthalate           | 1.496 | 1.313 | 12.2  | 108   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 0.626 | 0.591 | 5.6   | 109   | -0.03    |
| 61   | 4-Nitroaniline             | 0.372 | 0.399 | -7.3  | 123   | -0.02    |
| 62   | Azobenzene                 | 1.433 | 1.421 | 0.8   | 114   | -0.03    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 112   | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.115 | 5.0   | 109   | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 0.625 | 0.617 | 1.3   | 110   | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 0.204 | 0.211 | -3.4  | 114   | -0.03    |
| 67   | Hexachlorobenzene          | 0.211 | 0.225 | -6.6  | 118   | -0.03    |
| 68   | Atrazine                   | 0.202 | 0.184 | 8.9   | 110   | -0.03    |
| 69 C | Pentachlorophenol          | 0.099 | 0.088 | 11.1  | 96    | -0.03    |
| 70   | Phenanthrene               | 1.091 | 1.091 | 0.0   | 112   | -0.03    |
| 71   | Anthracene                 | 1.143 | 1.035 | 9.4   | 114   | -0.03    |
| 72   | Carbazole                  | 0.982 | 0.882 | 10.2  | 109   | -0.03    |
| 73   | Di-n-butylphthalate        | 1.217 | 1.175 | 3.5   | 107   | -0.03    |
| 74 C | Fluoranthene               | 1.135 | 1.114 | 1.9   | 120   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 107   | -0.02    |
| 76   | Benzidine                  | 0.706 | 0.694 | 1.7   | 104   | -0.02    |
| 77   | Pyrene                     | 1.409 | 1.475 | -4.7  | 117   | -0.02    |
| 78 S | Terphenyl-d14              | 0.851 | 0.813 | 4.5   | 110   | -0.03    |
| 79   | Butylbenzylphthalate       | 0.635 | 0.717 | -12.9 | 121   | -0.03    |
| 80   | Benzo(a)anthracene         | 1.179 | 1.199 | -1.7  | 113   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.861 | 0.940 | -9.2  | 110   | -0.03    |
| 82   | Chrysene                   | 1.136 | 1.164 | -2.5  | 106   | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.842 | 0.897 | -6.5  | 114   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.345 | 1.412 | -5.0  | 105   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.921 | 0.852 | 7.5   | 100   | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 95    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.258 | 1.492 | -18.6 | 100   | -0.03    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.114 | 1.001 | 10.1 | 103   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.115 | 1.105 | 0.9  | 98    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 0.897 | 0.905 | -0.9 | 99    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 0.868 | 0.890 | -2.5 | 102   | -0.06    |

(#) = Out of Range

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