

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF062215\  
 Data File : BF080106.D  
 Acq On : 22 Jun 2015 22:38  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 23 01:37:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 23 00:53:56 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 101   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.537 | 0.501 | 6.7    | 94    | -0.01    |
| 3    | Pyridine                    | 1.428 | 1.318 | 7.7    | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.679 | 0.713 | -5.0   | 99    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.130 | 1.137 | -0.6   | 99    | -0.01    |
| 6    | Aniline                     | 2.068 | 2.317 | -12.0  | 108   | 0.00     |
| 7 S  | Phenol-d6                   | 1.503 | 1.582 | -5.3   | 99    | -0.01    |
| 8    | 2-Chlorophenol              | 1.306 | 1.357 | -3.9   | 101   | -0.01    |
| 9    | Benzaldehyde                | 0.868 | 0.904 | -4.1   | 101   | 0.00     |
| 10 C | Phenol                      | 1.641 | 1.683 | -2.6   | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.302 | 1.312 | -0.8   | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.569 | 1.564 | 0.3    | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.492 | 1.785 | -19.6  | 117   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.452 | 1.547 | -6.5   | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.229 | 1.254 | -2.0   | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.932 | 2.295 | -18.8  | 121   | 0.00     |
| 17   | 2-Methylphenol              | 1.115 | 1.191 | -6.8   | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.497 | 0.554 | -11.5  | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.044 | 1.196 | -14.6  | 120   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.440 | 1.627 | -13.0  | 109   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 105   | -0.01    |
| 22   | Acetophenone                | 0.466 | 0.467 | -0.2   | 99    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.344 | 0.380 | -10.5  | 112   | 0.00     |
| 24   | Nitrobenzene                | 0.355 | 0.395 | -11.3  | 113   | 0.00     |
| 25   | Isophorone                  | 0.691 | 0.690 | 0.1    | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.148 | 0.184 | -24.3# | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.309 | 0.343 | -11.0  | 118   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.406 | 0.397 | 2.2    | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.265 | 0.315 | -18.9  | 119   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.301 | 0.354 | -17.6  | 122   | 0.00     |
| 31   | Naphthalene                 | 1.046 | 1.012 | 3.3    | 98    | 0.00     |
| 32   | Benzoic acid                | 0.187 | 0.171 | 8.6    | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 0.448 | 0.410 | 8.5    | 98    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.201 | -8.6   | 117   | 0.00     |
| 35   | Caprolactam                 | 0.086 | 0.091 | -5.8   | 102   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.293 | 2.0    | 97    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.745 | -10.2  | 111   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.582 | 0.678 | -16.5  | 125   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.260 | 0.280 | -7.7   | 114   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.196 | 0.209 | -6.6   | 115   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.396 | 0.435 | -9.8   | 116   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.456 | 0.434 | 4.8    | 100   | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.402 | 1.359 | 3.1    | 106   | 0.00     |

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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                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.627 | 1.664 | -2.3  | 112   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.320 | 1.251 | 5.2   | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 0.362 | 0.364 | -0.6  | 102   | 0.00     |
| 48   | Acenaphthylene             | 2.204 | 2.179 | 1.1   | 102   | 0.00     |
| 49   | Dimethylphthalate          | 1.504 | 1.567 | -4.2  | 116   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.301 | 0.307 | -2.0  | 102   | 0.00     |
| 51 C | Acenaphthene               | 1.348 | 1.272 | 5.6   | 101   | -0.01    |
| 52   | 3-Nitroaniline             | 0.348 | 0.364 | -4.6  | 107   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.106 | 0.122 | -15.1 | 120   | 0.00     |
| 54   | Dibenzofuran               | 1.913 | 1.778 | 7.1   | 100   | -0.01    |
| 55 P | 4-Nitrophenol              | 0.278 | 0.305 | -9.7  | 122   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.383 | 0.428 | -11.7 | 119   | 0.00     |
| 57   | Fluorene                   | 1.518 | 1.599 | -5.3  | 114   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.385 | 0.369 | 4.2   | 99    | -0.01    |
| 59   | Diethylphthalate           | 1.514 | 1.427 | 5.7   | 97    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.729 | 0.685 | 6.0   | 103   | -0.01    |
| 61   | 4-Nitroaniline             | 0.359 | 0.343 | 4.5   | 99    | 0.00     |
| 62   | Azobenzene                 | 1.541 | 1.480 | 4.0   | 99    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 118   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.094 | 0.094 | 0.0   | 108   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.651 | 0.600 | 7.8   | 102   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.213 | 0.216 | -1.4  | 114   | 0.00     |
| 67   | Hexachlorobenzene          | 0.236 | 0.238 | -0.8  | 113   | -0.01    |
| 68   | Atrazine                   | 0.206 | 0.204 | 1.0   | 107   | -0.01    |
| 69 C | Pentachlorophenol          | 0.134 | 0.130 | 3.0   | 114   | -0.01    |
| 70   | Phenanthrene               | 1.211 | 1.156 | 4.5   | 110   | -0.02    |
| 71   | Anthracene                 | 1.166 | 1.124 | 3.6   | 112   | -0.02    |
| 72   | Carbazole                  | 1.113 | 1.008 | 9.4   | 102   | -0.03    |
| 73   | Di-n-butylphthalate        | 1.286 | 1.077 | 16.3  | 100   | -0.06    |
| 74 C | Fluoranthene               | 1.290 | 1.177 | 8.8   | 107   | -0.11    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 110   | -0.26    |
| 76   | Benzidine                  | 0.559 | 0.608 | -8.8  | 115   | -0.11    |
| 77   | Pyrene                     | 1.231 | 1.208 | 1.9   | 106   | -0.13    |
| 78 S | Terphenyl-d14              | 0.856 | 0.829 | 3.2   | 107   | -0.15    |
| 79   | Butylbenzylphthalate       | 0.495 | 0.483 | 2.4   | 102   | -0.21    |
| 80   | Benzo(a)anthracene         | 1.218 | 1.158 | 4.9   | 105   | -0.26    |
| 81   | 3,3'-Dichlorobenzidine     | 0.420 | 0.397 | 5.5   | 102   | -0.26    |
| 82   | Chrysene                   | 1.124 | 1.081 | 3.8   | 105   | -0.26    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.782 | 0.740 | 5.4   | 100   | -0.27    |
| 84 c | Di-n-octyl phthalate       | 1.339 | 1.214 | 9.3   | 97    | -0.38    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.417 | 1.360 | 4.0   | 105   | -0.41    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 107   | -0.39    |
| 87   | Benzo(b)fluoranthene       | 1.211 | 1.168 | 3.6   | 100   | -0.38    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.233 | 1.231 | 0.2  | 107   | -0.38    |
| 89 C | Benzo(a)pyrene         | 1.150 | 1.123 | 2.3  | 103   | -0.39    |
| 90   | Dibenzo(a,h)anthracene | 1.177 | 1.156 | 1.8  | 104   | -0.42    |
| 91   | Benzo(g,h,i)perylene   | 1.188 | 1.152 | 3.0  | 102   | -0.42    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1