

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062515\  
 Data File : BF080184.D  
 Acq On : 26 Jun 2015 1:24  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 26 03:45:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 26 01:01:50 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    | 85    | -0.03    |
| 2    | 1,4-Dioxane                 | 0.537 | 0.534 | 0.6    | 84    | -0.06    |
| 3    | Pyridine                    | 1.428 | 1.386 | 2.9    | 82    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 0.679 | 0.719 | -5.9   | 84    | -0.06    |
| 5 S  | 2-Fluorophenol              | 1.130 | 1.213 | -7.3   | 88    | -0.03    |
| 6    | Aniline                     | 2.068 | 2.320 | -12.2  | 91    | -0.02    |
| 7 S  | Phenol-d6                   | 1.503 | 1.557 | -3.6   | 82    | -0.03    |
| 8    | 2-Chlorophenol              | 1.306 | 1.414 | -8.3   | 88    | -0.03    |
| 9    | Benzaldehyde                | 0.868 | 0.780 | 10.1   | 73    | -0.03    |
| 10 C | Phenol                      | 1.641 | 1.661 | -1.2   | 82    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.302 | 1.229 | 5.6    | 77    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.569 | 1.565 | 0.3    | 81    | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.492 | 1.697 | -13.7  | 94    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.452 | 1.472 | -1.4   | 83    | -0.02    |
| 15   | Benzyl Alcohol              | 1.229 | 1.260 | -2.5   | 83    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.932 | 2.253 | -16.6  | 100   | -0.02    |
| 17   | 2-Methylphenol              | 1.115 | 1.132 | -1.5   | 81    | -0.02    |
| 18   | Hexachloroethane            | 0.497 | 0.562 | -13.1  | 91    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.044 | 1.143 | -9.5   | 96    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.440 | 1.615 | -12.2  | 91    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 86    | -0.03    |
| 22   | Acetophenone                | 0.466 | 0.471 | -1.1   | 82    | -0.03    |
| 23 S | Nitrobenzene-d5             | 0.344 | 0.384 | -11.6  | 93    | -0.02    |
| 24   | Nitrobenzene                | 0.355 | 0.375 | -5.6   | 89    | -0.02    |
| 25   | Isophorone                  | 0.691 | 0.698 | -1.0   | 84    | -0.03    |
| 26 C | 2-Nitrophenol               | 0.148 | 0.192 | -29.7# | 109   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.309 | 0.340 | -10.0  | 97    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.406 | 0.398 | 2.0    | 82    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.265 | 0.301 | -13.6  | 94    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.301 | 0.352 | -16.9  | 99    | -0.02    |
| 31   | Naphthalene                 | 1.046 | 1.062 | -1.5   | 84    | -0.02    |
| 32   | Benzoic acid                | 0.187 | 0.174 | 7.0    | 78    | -0.02    |
| 33   | 4-Chloroaniline             | 0.448 | 0.411 | 8.3    | 81    | -0.03    |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.197 | -6.5   | 94    | -0.02    |
| 35   | Caprolactam                 | 0.086 | 0.091 | -5.8   | 84    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.293 | 2.0    | 80    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.770 | -13.9  | 95    | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 94    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.582 | 0.633 | -8.8   | 98    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.260 | 0.258 | 0.8    | 88    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.196 | 0.218 | -11.2  | 100   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.396 | 0.454 | -14.6  | 102   | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.456 | 0.450 | 1.3    | 87    | -0.03    |
| 44 S | 2-Fluorobiphenyl            | 1.402 | 1.277 | 8.9    | 83    | -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                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.627 | 1.516 | 6.8   | 86    | -0.03    |
| 46   | 2-Chloronaphthalene        | 1.320 | 1.309 | 0.8   | 88    | -0.02    |
| 47   | 2-Nitroaniline             | 0.362 | 0.372 | -2.8  | 87    | -0.03    |
| 48   | Acenaphthylene             | 2.204 | 2.338 | -6.1  | 92    | -0.02    |
| 49   | Dimethylphthalate          | 1.504 | 1.560 | -3.7  | 96    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.301 | 0.317 | -5.3  | 88    | -0.03    |
| 51 C | Acenaphthene               | 1.348 | 1.340 | 0.6   | 89    | -0.03    |
| 52   | 3-Nitroaniline             | 0.348 | 0.373 | -7.2  | 92    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 0.106 | 0.129 | -21.7 | 106   | -0.02    |
| 54   | Dibenzofuran               | 1.913 | 1.853 | 3.1   | 87    | -0.03    |
| 55 P | 4-Nitrophenol              | 0.278 | 0.326 | -17.3 | 109   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.383 | 0.459 | -19.8 | 107   | -0.02    |
| 57   | Fluorene                   | 1.518 | 1.568 | -3.3  | 94    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.385 | 0.380 | 1.3   | 86    | -0.03    |
| 59   | Diethylphthalate           | 1.514 | 1.484 | 2.0   | 85    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.729 | 0.705 | 3.3   | 89    | -0.03    |
| 61   | 4-Nitroaniline             | 0.359 | 0.375 | -4.5  | 90    | -0.02    |
| 62   | Azobenzene                 | 1.541 | 1.518 | 1.5   | 85    | -0.03    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 105   | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.094 | 0.090 | 4.3   | 92    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 0.651 | 0.602 | 7.5   | 90    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.213 | 0.216 | -1.4  | 101   | -0.02    |
| 67   | Hexachlorobenzene          | 0.236 | 0.236 | 0.0   | 99    | -0.03    |
| 68   | Atrazine                   | 0.206 | 0.218 | -5.8  | 102   | -0.03    |
| 69 C | Pentachlorophenol          | 0.134 | 0.121 | 9.7   | 94    | -0.03    |
| 70   | Phenanthrene               | 1.211 | 1.096 | 9.5   | 93    | -0.05    |
| 71   | Anthracene                 | 1.166 | 1.148 | 1.5   | 102   | -0.05    |
| 72   | Carbazole                  | 1.113 | 1.009 | 9.3   | 91    | -0.05    |
| 73   | Di-n-butylphthalate        | 1.286 | 1.169 | 9.1   | 96    | -0.06    |
| 74 C | Fluoranthene               | 1.290 | 1.227 | 4.9   | 99    | -0.08    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | -0.14    |
| 76   | Benzidine                  | 0.559 | 0.634 | -13.4 | 98    | -0.08    |
| 77   | Pyrene                     | 1.231 | 1.257 | -2.1  | 90    | -0.09    |
| 78 S | Terphenyl-d14              | 0.856 | 0.879 | -2.7  | 92    | -0.10    |
| 79   | Butylbenzylphthalate       | 0.495 | 0.536 | -8.3  | 92    | -0.11    |
| 80   | Benzo(a)anthracene         | 1.218 | 1.200 | 1.5   | 89    | -0.14    |
| 81   | 3,3'-Dichlorobenzidine     | 0.420 | 0.404 | 3.8   | 85    | -0.14    |
| 82   | Chrysene                   | 1.124 | 1.096 | 2.5   | 87    | -0.14    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.782 | 0.766 | 2.0   | 84    | -0.14    |
| 84 c | Di-n-octyl phthalate       | 1.339 | 1.268 | 5.3   | 82    | -0.16    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.417 | 1.359 | 4.1   | 86    | -0.19    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 90    | -0.17    |
| 87   | Benzo(b)fluoranthene       | 1.211 | 1.326 | -9.5  | 95    | -0.17    |

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| 88   | Benzo(k)fluoranthene   | 1.233 | 1.031 | 16.4 | 75    | -0.17    |
| 89 C | Benzo(a)pyrene         | 1.150 | 1.128 | 1.9  | 87    | -0.17    |
| 90   | Dibenzo(a,h)anthracene | 1.177 | 1.136 | 3.5  | 86    | -0.19    |
| 91   | Benzo(g,h,i)perylene   | 1.188 | 1.159 | 2.4  | 86    | -0.19    |

(#) = Out of Range

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