

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062415\  
 Data File : BF080157.D  
 Acq On : 25 Jun 2015 5:31  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 25 07:14:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 25 00:52:28 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   | 79    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.537 | 0.496 | 7.6   | 73    | -0.01    |
| 3    | Pyridine                    | 1.428 | 1.397 | 2.2   | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.679 | 0.632 | 6.9   | 69    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.130 | 1.121 | 0.8   | 76    | -0.01    |
| 6    | Aniline                     | 2.068 | 2.032 | 1.7   | 74    | 0.00     |
| 7 S  | Phenol-d6                   | 1.503 | 1.451 | 3.5   | 71    | -0.01    |
| 8    | 2-Chlorophenol              | 1.306 | 1.298 | 0.6   | 75    | -0.01    |
| 9    | Benzaldehyde                | 0.868 | 0.732 | 15.7  | 64    | -0.01    |
| 10 C | Phenol                      | 1.641 | 1.498 | 8.7   | 69    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.302 | 1.235 | 5.1   | 72    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.569 | 1.571 | -0.1  | 76    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.492 | 1.434 | 3.9   | 74    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.452 | 1.403 | 3.4   | 74    | -0.01    |
| 15   | Benzyl Alcohol              | 1.229 | 1.181 | 3.9   | 73    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.932 | 1.832 | 5.2   | 76    | -0.01    |
| 17   | 2-Methylphenol              | 1.115 | 1.048 | 6.0   | 70    | -0.01    |
| 18   | Hexachloroethane            | 0.497 | 0.436 | 12.3  | 66    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.044 | 0.923 | 11.6  | 73    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.440 | 1.400 | 2.8   | 74    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 76    | -0.01    |
| 22   | Acetophenone                | 0.466 | 0.469 | -0.6  | 72    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.344 | 0.338 | 1.7   | 73    | 0.00     |
| 24   | Nitrobenzene                | 0.355 | 0.346 | 2.5   | 73    | -0.01    |
| 25   | Isophorone                  | 0.691 | 0.692 | -0.1  | 74    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.148 | 0.149 | -0.7  | 75    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.309 | 0.286 | 7.4   | 72    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.406 | 0.412 | -1.5  | 75    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.265 | 0.256 | 3.4   | 70    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.301 | 0.303 | -0.7  | 76    | 0.00     |
| 31   | Naphthalene                 | 1.046 | 1.038 | 0.8   | 73    | 0.00     |
| 32   | Benzoic acid                | 0.187 | 0.161 | 13.9  | 64    | -0.01    |
| 33   | 4-Chloroaniline             | 0.448 | 0.395 | 11.8  | 69    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.186 | -0.5  | 79    | -0.01    |
| 35   | Caprolactam                 | 0.086 | 0.087 | -1.2  | 71    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.282 | 5.7   | 68    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.658 | 2.7   | 72    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 79    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.582 | 0.542 | 6.9   | 71    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.260 | 0.057 | 78.1# | 16#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.196 | 0.182 | 7.1   | 71    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.396 | 0.402 | -1.5  | 76    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.456 | 0.438 | 3.9   | 71    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.402 | 1.284 | 8.4   | 70    | -0.01    |

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|      | Compound                   | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.627 | 1.504  | 7.6   | 71    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.320 | 1.259  | 4.6   | 71    | 0.00     |
| 47   | 2-Nitroaniline             | 0.362 | 0.362  | 0.0   | 71    | -0.01    |
| 48   | Acenaphthylene             | 2.204 | 2.163  | 1.9   | 71    | 0.00     |
| 49   | Dimethylphthalate          | 1.504 | 1.394  | 7.3   | 72    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.301 | 0.303  | -0.7  | 71    | -0.01    |
| 51 C | Acenaphthene               | 1.348 | 1.249  | 7.3   | 70    | -0.01    |
| 52   | 3-Nitroaniline             | 0.348 | 0.368  | -5.7  | 76    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.106 | 0.024# | 77.4# | 17#   | 0.00     |
| 54   | Dibenzofuran               | 1.913 | 1.813  | 5.2   | 72    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.278 | 0.268  | 3.6   | 75    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.383 | 0.406  | -6.0  | 80    | 0.00     |
| 57   | Fluorene                   | 1.518 | 1.388  | 8.6   | 70    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.385 | 0.374  | 2.9   | 71    | -0.01    |
| 59   | Diethylphthalate           | 1.514 | 1.483  | 2.0   | 71    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.729 | 0.665  | 8.8   | 70    | -0.01    |
| 61   | 4-Nitroaniline             | 0.359 | 0.375  | -4.5  | 76    | 0.00     |
| 62   | Azobenzene                 | 1.541 | 1.477  | 4.2   | 70    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 76    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.094 | 0.030  | 68.1# | 22#   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.651 | 0.666  | -2.3  | 73    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.213 | 0.209  | 1.9   | 71    | -0.01    |
| 67   | Hexachlorobenzene          | 0.236 | 0.222  | 5.9   | 68    | -0.02    |
| 68   | Atrazine                   | 0.206 | 0.200  | 2.9   | 68    | -0.02    |
| 69 C | Pentachlorophenol          | 0.134 | 0.127  | 5.2   | 72    | -0.01    |
| 70   | Phenanthrene               | 1.211 | 1.144  | 5.5   | 70    | -0.02    |
| 71   | Anthracene                 | 1.166 | 1.172  | -0.5  | 75    | -0.03    |
| 72   | Carbazole                  | 1.113 | 1.078  | 3.1   | 71    | -0.03    |
| 73   | Di-n-butylphthalate        | 1.286 | 1.228  | 4.5   | 73    | -0.06    |
| 74 C | Fluoranthene               | 1.290 | 1.360  | -5.4  | 80    | -0.10    |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 78    | -0.23    |
| 76   | Benzidine                  | 0.559 | 0.600  | -7.3  | 81    | -0.10    |
| 77   | Pyrene                     | 1.231 | 1.212  | 1.5   | 76    | -0.11    |
| 78 S | Terphenyl-d14              | 0.856 | 0.835  | 2.5   | 77    | -0.14    |
| 79   | Butylbenzylphthalate       | 0.495 | 0.522  | -5.5  | 79    | -0.18    |
| 80   | Benzo(a)anthracene         | 1.218 | 1.193  | 2.1   | 77    | -0.24    |
| 81   | 3,3'-Dichlorobenzidine     | 0.420 | 0.423  | -0.7  | 78    | -0.24    |
| 82   | Chrysene                   | 1.124 | 1.095  | 2.6   | 76    | -0.24    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.782 | 0.773  | 1.2   | 74    | -0.25    |
| 84 c | Di-n-octyl phthalate       | 1.339 | 1.361  | -1.6  | 77    | -0.33    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.417 | 1.330  | 6.1   | 73    | -0.37    |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 80    | -0.34    |
| 87   | Benzo(b)fluoranthene       | 1.211 | 1.189  | 1.8   | 76    | -0.34    |

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| 88   | Benzo(k)fluoranthene   | 1.233 | 1.152 | 6.6  | 75    | -0.33    |
| 89 C | Benzo(a)pyrene         | 1.150 | 1.109 | 3.6  | 77    | -0.34    |
| 90   | Dibenzo(a,h)anthracene | 1.177 | 1.090 | 7.4  | 74    | -0.38    |
| 91   | Benzo(g,h,i)perylene   | 1.188 | 1.050 | 11.6 | 70    | -0.38    |

(#) = Out of Range

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