

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082815\  
 Data File : BF081247.D  
 Acq On : 27 Aug 2015 15:15  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 27 22:58:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 27 22:56:55 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    | 91    | -0.04    |
| 2    | 1,4-Dioxane                 | 0.627 | 0.639 | -1.9   | 91    | -0.06    |
| 3    | Pyridine                    | 1.769 | 1.890 | -6.8   | 86    | -0.07    |
| 4    | n-Nitrosodimethylamine      | 0.985 | 1.049 | -6.5   | 95    | -0.07    |
| 5 S  | 2-Fluorophenol              | 1.330 | 1.367 | -2.8   | 97    | -0.05    |
| 6    | Aniline                     | 2.523 | 2.600 | -3.1   | 96    | -0.04    |
| 7 S  | Phenol-d6                   | 1.735 | 1.775 | -2.3   | 88    | -0.04    |
| 8    | 2-Chlorophenol              | 1.455 | 1.530 | -5.2   | 88    | -0.04    |
| 9    | Benzaldehyde                | 1.118 | 1.187 | -6.2   | 90    | -0.04    |
| 10 C | Phenol                      | 2.049 | 2.118 | -3.4   | 85    | -0.04    |
| 11   | bis(2-Chloroethyl)ether     | 1.572 | 1.474 | 6.2    | 84    | -0.04    |
| 12   | 1,3-Dichlorobenzene         | 1.564 | 1.690 | -8.1   | 98    | -0.04    |
| 13 C | 1,4-Dichlorobenzene         | 1.549 | 1.695 | -9.4   | 100   | -0.04    |
| 14   | 1,2-Dichlorobenzene         | 1.449 | 1.382 | 4.6    | 80    | -0.04    |
| 15   | Benzyl Alcohol              | 1.404 | 1.344 | 4.3    | 94    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.089 | 3.242 | -5.0   | 92    | -0.04    |
| 17   | 2-Methylphenol              | 1.249 | 1.314 | -5.2   | 92    | -0.04    |
| 18   | Hexachloroethane            | 0.626 | 0.665 | -6.2   | 93    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.202 | 1.380 | -14.8  | 98    | -0.04    |
| 20   | 3+4-Methylphenols           | 1.585 | 1.727 | -9.0   | 100   | -0.04    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 98    | -0.04    |
| 22   | Acetophenone                | 0.525 | 0.544 | -3.6   | 95    | -0.04    |
| 23 S | Nitrobenzene-d5             | 0.438 | 0.455 | -3.9   | 103   | -0.04    |
| 24   | Nitrobenzene                | 0.458 | 0.407 | 11.1   | 83    | -0.04    |
| 25   | Isophorone                  | 0.816 | 0.861 | -5.5   | 102   | -0.04    |
| 26 C | 2-Nitrophenol               | 0.190 | 0.207 | -8.9   | 111   | -0.04    |
| 27   | 2,4-Dimethylphenol          | 0.337 | 0.363 | -7.7   | 96    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane  | 0.482 | 0.486 | -0.8   | 99    | -0.04    |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.271 | 4.6    | 89    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene      | 0.315 | 0.295 | 6.3    | 87    | -0.04    |
| 31   | Naphthalene                 | 1.115 | 1.146 | -2.8   | 99    | -0.04    |
| 32   | Benzoic acid                | 0.189 | 0.237 | -25.4# | 143   | -0.04    |
| 33   | 4-Chloroaniline             | 0.470 | 0.439 | 6.6    | 98    | -0.04    |
| 34 C | Hexachlorobutadiene         | 0.178 | 0.196 | -10.1  | 106   | -0.04    |
| 35   | Caprolactam                 | 0.099 | 0.095 | 4.0    | 89    | -0.04    |
| 36 C | 4-Chloro-3-methylphenol     | 0.338 | 0.328 | 3.0    | 93    | -0.04    |
| 37   | 2-Methylnaphthalene         | 0.704 | 0.667 | 5.3    | 89    | -0.04    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 101   | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.645 | 0.692 | -7.3   | 107   | -0.04    |
| 40 P | Hexachlorocyclopentadiene   | 0.334 | 0.325 | 2.7    | 91    | -0.04    |
| 41 S | 2,4,6-Tribromophenol        | 0.173 | 0.171 | 1.2    | 103   | -0.04    |
| 42 C | 2,4,6-Trichlorophenol       | 0.456 | 0.461 | -1.1   | 101   | -0.04    |
| 43   | 2,4,5-Trichlorophenol       | 0.456 | 0.477 | -4.6   | 93    | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.526 | 1.603 | -5.0   | 116   | -0.02    |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082815\  
 Data File : BF081247.D  
 Acq On : 27 Aug 2015 15:15  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 27 22:58:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 27 22:56:55 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.762 | 1.819 | -3.2   | 93    | -0.04    |
| 46   | 2-Chloronaphthalene        | 1.415 | 1.497 | -5.8   | 109   | -0.04    |
| 47   | 2-Nitroaniline             | 0.579 | 0.689 | -19.0  | 117   | -0.04    |
| 48   | Acenaphthylene             | 2.532 | 2.308 | 8.8    | 97    | -0.05    |
| 49   | Dimethylphthalate          | 1.647 | 1.794 | -8.9   | 101   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.354 | 0.352 | 0.6    | 91    | -0.04    |
| 51 C | Acenaphthene               | 1.516 | 1.363 | 10.1   | 92    | -0.05    |
| 52   | 3-Nitroaniline             | 0.443 | 0.509 | -14.9  | 118   | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 0.167 | 0.180 | -7.8   | 103   | -0.04    |
| 54   | Dibenzofuran               | 2.031 | 1.820 | 10.4   | 95    | -0.04    |
| 55 P | 4-Nitrophenol              | 0.311 | 0.337 | -8.4   | 114   | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 0.469 | 0.421 | 10.2   | 87    | -0.04    |
| 57   | Fluorene                   | 1.562 | 1.531 | 2.0    | 104   | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.353 | 0.359 | -1.7   | 93    | -0.04    |
| 59   | Diethylphthalate           | 1.743 | 1.757 | -0.8   | 98    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 0.661 | 0.661 | 0.0    | 98    | -0.04    |
| 61   | 4-Nitroaniline             | 0.452 | 0.429 | 5.1    | 97    | -0.04    |
| 62   | Azobenzene                 | 2.009 | 2.233 | -11.1  | 103   | -0.04    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 107   | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.119 | 0.129 | -8.4   | 105   | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 0.714 | 0.748 | -4.8   | 108   | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 0.196 | 0.179 | 8.7    | 100   | -0.04    |
| 67   | Hexachlorobenzene          | 0.199 | 0.198 | 0.5    | 99    | -0.04    |
| 68   | Atrazine                   | 0.199 | 0.185 | 7.0    | 100   | -0.04    |
| 69 C | Pentachlorophenol          | 0.119 | 0.112 | 5.9    | 98    | -0.04    |
| 70   | Phenanthrene               | 1.185 | 1.095 | 7.6    | 101   | -0.04    |
| 71   | Anthracene                 | 1.153 | 1.103 | 4.3    | 99    | -0.05    |
| 72   | Carbazole                  | 1.110 | 1.101 | 0.8    | 94    | -0.04    |
| 73   | Di-n-butylphthalate        | 1.344 | 1.429 | -6.3   | 110   | -0.04    |
| 74 C | Fluoranthene               | 1.279 | 1.312 | -2.6   | 106   | -0.04    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 102   | -0.04    |
| 76   | Benzidine                  | 0.756 | 0.654 | 13.5   | 71    | -0.05    |
| 77   | Pyrene                     | 1.626 | 1.524 | 6.3    | 101   | -0.05    |
| 78 S | Terphenyl-d14              | 0.933 | 0.930 | 0.3    | 96    | -0.05    |
| 79   | Butylbenzylphthalate       | 0.699 | 0.772 | -10.4  | 101   | -0.04    |
| 80   | Benzo(a)anthracene         | 1.341 | 1.441 | -7.5   | 103   | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 0.434 | 0.452 | -4.1   | 105   | -0.04    |
| 82   | Chrysene                   | 1.209 | 1.316 | -8.9   | 102   | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.895 | 1.178 | -31.6# | 127   | -0.04    |
| 84 c | Di-n-octyl phthalate       | 1.361 | 1.821 | -33.8# | 126   | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.849 | 0.981 | -15.5  | 112   | -0.06    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 105   | -0.05    |
| 87   | Benzo(b)fluoranthene       | 1.415 | 1.364 | 3.6    | 92    | -0.05    |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082815\  
Data File : BF081247.D  
Acq On : 27 Aug 2015 15:15  
Operator : UM/IZ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 27 22:58:35 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 27 22:56:55 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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.318 | 1.382 | -4.9  | 119   | -0.05    |
| 89 C | Benzo(a)pyrene         | 1.233 | 1.280 | -3.8  | 107   | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 0.960 | 1.069 | -11.4 | 113   | -0.07    |
| 91   | Benzo(g,h,i)perylene   | 0.974 | 1.051 | -7.9  | 111   | -0.07    |

(#) = Out of Range

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