

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
 Data File : BF080555.D  
 Acq On : 18 Jul 2015 2:33  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 20 14:34:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 20 13:29:49 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    | 106   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.537 | 0.552 | -2.8   | 108   | 0.00     |
| 3    | Pyridine                    | 1.097 | 1.035 | 5.7    | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.707 | 0.805 | -13.9  | 112   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.283 | 1.304 | -1.6   | 106   | 0.00     |
| 6    | Aniline                     | 1.924 | 1.922 | 0.1    | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 1.460 | 1.576 | -7.9   | 112   | 0.00     |
| 8    | 2-Chlorophenol              | 1.338 | 1.428 | -6.7   | 116   | 0.00     |
| 9    | Benzaldehyde                | 0.824 | 0.890 | -8.0   | 117   | -0.01    |
| 10 C | Phenol                      | 1.688 | 1.675 | 0.8    | 109   | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.276 | 1.153 | 9.6    | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.507 | 1.668 | -10.7  | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.659 | 1.711 | -3.1   | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.526 | 1.517 | 0.6    | 108   | 0.00     |
| 15   | Benzyl Alcohol              | 0.932 | 0.909 | 2.5    | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.171 | 2.055 | 5.3    | 107   | 0.00     |
| 17   | 2-Methylphenol              | 1.021 | 0.966 | 5.4    | 108   | 0.00     |
| 18   | Hexachloroethane            | 0.532 | 0.548 | -3.0   | 118   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.869 | 0.796 | 8.4    | 104   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.474 | 1.448 | 1.8    | 106   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 22   | Acetophenone                | 0.429 | 0.422 | 1.6    | 111   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.314 | 0.331 | -5.4   | 113   | 0.00     |
| 24   | Nitrobenzene                | 0.354 | 0.312 | 11.9   | 107   | 0.00     |
| 25   | Isophorone                  | 0.599 | 0.552 | 7.8    | 109   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.174 | 0.156 | 10.3   | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.298 | 0.311 | -4.4   | 113   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.332 | 0.313 | 5.7    | 115   | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.252 | 0.262 | -4.0   | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.322 | 0.313 | 2.8    | 111   | 0.00     |
| 31   | Naphthalene                 | 0.990 | 1.015 | -2.5   | 112   | 0.00     |
| 32   | Benzoic acid                | 0.133 | 0.112 | 15.8   | 103   | 0.00     |
| 33   | 4-Chloroaniline             | 0.394 | 0.404 | -2.5   | 111   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.150 | 0.161 | -7.3   | 120   | 0.00     |
| 35   | Caprolactam                 | 0.061 | 0.057 | 6.6    | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.260 | 0.251 | 3.5    | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.608 | 0.593 | 2.5    | 110   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 100   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.632 | 0.669 | -5.9   | 109   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.298 | 0.320 | -7.4   | 110   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.179 | 0.205 | -14.5  | 111   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.364 | 0.442 | -21.4# | 113   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.398 | 0.421 | -5.8   | 108   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.424 | 1.584 | -11.2  | 113   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
 Data File : BF080555.D  
 Acq On : 18 Jul 2015 2:33  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 20 14:34:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 20 13:29:49 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              | 1.658 | 1.692 | -2.1  | 107   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.222 | 1.399 | -14.5 | 113   | 0.00     |
| 47   | 2-Nitroaniline             | 0.293 | 0.323 | -10.2 | 109   | 0.00     |
| 48   | Acenaphthylene             | 2.023 | 2.119 | -4.7  | 114   | 0.00     |
| 49   | Dimethylphthalate          | 1.331 | 1.342 | -0.8  | 108   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.259 | 0.271 | -4.6  | 112   | 0.00     |
| 51 C | Acenaphthene               | 1.236 | 1.234 | 0.2   | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 0.294 | 0.324 | -10.2 | 111   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.113 | 0.109 | 3.5   | 105   | 0.00     |
| 54   | Dibenzofuran               | 1.721 | 1.805 | -4.9  | 112   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.218 | 0.223 | -2.3  | 107   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.353 | 0.395 | -11.9 | 110   | 0.00     |
| 57   | Fluorene                   | 1.364 | 1.382 | -1.3  | 110   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.271 | 0.292 | -7.7  | 110   | 0.00     |
| 59   | Diethylphthalate           | 1.256 | 1.258 | -0.2  | 105   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.611 | 0.620 | -1.5  | 111   | 0.00     |
| 61   | 4-Nitroaniline             | 0.289 | 0.341 | -18.0 | 111   | 0.00     |
| 62   | Azobenzene                 | 1.264 | 1.310 | -3.6  | 110   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.097 | 0.087 | 10.3  | 111   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.659 | 0.674 | -2.3  | 109   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.183 | 0.178 | 2.7   | 113   | 0.00     |
| 67   | Hexachlorobenzene          | 0.222 | 0.230 | -3.6  | 114   | 0.00     |
| 68   | Atrazine                   | 0.156 | 0.146 | 6.4   | 109   | 0.00     |
| 69 C | Pentachlorophenol          | 0.090 | 0.085 | 5.6   | 109   | 0.00     |
| 70   | Phenanthrene               | 1.090 | 1.086 | 0.4   | 110   | 0.00     |
| 71   | Anthracene                 | 1.058 | 1.015 | 4.1   | 112   | 0.00     |
| 72   | Carbazole                  | 0.948 | 0.890 | 6.1   | 108   | 0.00     |
| 73   | Di-n-butylphthalate        | 0.980 | 1.017 | -3.8  | 117   | 0.00     |
| 74 C | Fluoranthene               | 1.019 | 0.970 | 4.8   | 104   | 0.02     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 108   | 0.08     |
| 76   | Benzidine                  | 0.535 | 0.530 | 0.9   | 111   | 0.02     |
| 77   | Pyrene                     | 1.291 | 1.314 | -1.8  | 115   | 0.02     |
| 78 S | Terphenyl-d14              | 0.896 | 0.915 | -2.1  | 110   | 0.03     |
| 79   | Butylbenzylphthalate       | 0.402 | 0.404 | -0.5  | 104   | 0.05     |
| 80   | Benzo(a)anthracene         | 1.113 | 1.144 | -2.8  | 113   | 0.08     |
| 81   | 3,3'-Dichlorobenzidine     | 0.352 | 0.352 | 0.0   | 109   | 0.08     |
| 82   | Chrysene                   | 1.115 | 1.123 | -0.7  | 113   | 0.08     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.615 | 0.590 | 4.1   | 98    | 0.09     |
| 84 c | Di-n-octyl phthalate       | 0.873 | 0.821 | 6.0   | 100   | 0.13     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.149 | 1.154 | -0.4  | 119   | 0.17     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 113   | 0.15     |
| 87   | Benzo(b)fluoranthene       | 1.240 | 1.179 | 4.9   | 112   | 0.15     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
Data File : BF080555.D  
Acq On : 18 Jul 2015 2:33  
Operator : TP/UM  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jul 20 14:34:54 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 20 13:29:49 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   | 1.073 | 1.183 | -10.3 | 110   | 0.17     |
| 89 C | Benzo(a)pyrene         | 1.056 | 1.114 | -5.5  | 118   | 0.15     |
| 90   | Dibenzo(a,h)anthracene | 1.040 | 1.090 | -4.8  | 120   | 0.17     |
| 91   | Benzo(g,h,i)perylene   | 1.050 | 1.136 | -8.2  | 124   | 0.17     |

(#) = Out of Range

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