

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
 Data File : BF080543.D  
 Acq On : 17 Jul 2015 19:57  
 Operator : TP/UM  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF071715

Quant Time: Jul 20 14:11:02 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                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 45.238 | -13.1 | 108   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.607 | -9.0  | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 46.967 | -17.4 | 105   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.081 | -0.1  | 95    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.675 | -1.7  | 98    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 83.892 | -4.9  | 99    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.521 | -1.3  | 100   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 45.234 | -13.1 | 111   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.220 | 2.0   | 98    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.603 | 6.0   | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.932 | -4.8  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.812 | -2.0  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.454 | 1.4   | 98    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.608 | 3.5   | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.340 | 6.6   | 96    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.534 | 3.7   | 100   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.289 | 6.8   | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.037 | 2.4   | 95    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.740 | 0.6   | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.683 | 0.8   | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 89.586 | -12.0 | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.920 | 5.2   | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.945 | -2.4  | 102   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.550 | -1.4  | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 44.118 | -10.3 | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.332 | 4.2   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.472 | -6.2  | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.249 | -0.6  | 97    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 42.179 | -5.4  | 97    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.655 | 0.9   | 99    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 44.716 | -11.8 | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.111 | -2.8  | 97    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.634 | -4.1  | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.901 | -4.8  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.779 | -4.4  | 100   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 90    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.307 | -5.8  | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 45.382 | -13.5 | 105   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 84.581 | -5.7  | 93    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 45.869 | -14.7 | 97    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.364 | -5.9  | 99    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.091 | -6.4  | 98    | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
 Data File : BF080543.D  
 Acq On : 17 Jul 2015 19:57  
 Operator : TP/UM  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF071715

Quant Time: Jul 20 14:11:02 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                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 41.900 | -4.7  | 100   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 43.959 | -9.9  | 99    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.598 | -1.5  | 92    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 42.101 | -5.3  | 104   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.882 | -2.2  | 99    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.751 | -4.4  | 102   | 0.01     |
| 51 C | Acenaphthene               | 40.000 | 39.974 | 0.1   | 96    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.092 | -7.7  | 102   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.215 | -0.5  | 102   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.673 | -1.7  | 99    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.041 | -0.1  | 101   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.824 | -7.1  | 108   | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.555 | -1.4  | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.531 | -8.8  | 99    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 41.548 | -3.9  | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.848 | 0.4   | 99    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.600 | -9.0  | 103   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.097 | -0.2  | 97    | 0.01     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.825 | 0.4   | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.364 | 1.6   | 94    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.485 | 3.8   | 100   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 40.859 | -2.1  | 101   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.440 | -1.1  | 106   | 0.01     |
| 69 C | Pentachlorophenol          | 40.000 | 41.594 | -4.0  | 100   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.471 | 1.3   | 98    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.499 | 1.3   | 104   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.407 | 4.0   | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 44.652 | -11.6 | 115   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.024 | 2.4   | 96    | 0.01     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.06     |
| 76   | Benzidine                  | 40.000 | 45.247 | -13.1 | 112   | 0.02     |
| 77   | Pyrene                     | 40.000 | 38.761 | 3.1   | 97    | 0.02     |
| 78 S | Terphenyl-d14              | 80.000 | 81.810 | -2.3  | 97    | 0.02     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.370 | -5.9  | 102   | 0.03     |
| 80   | Benzo(a)anthracene         | 40.000 | 41.164 | -2.9  | 100   | 0.06     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.173 | -7.9  | 103   | 0.06     |
| 82   | Chrysene                   | 40.000 | 41.010 | -2.5  | 101   | 0.06     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.451 | -6.1  | 98    | 0.07     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.807 | -4.5  | 103   | 0.09     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.482 | 6.3   | 98    | 0.14     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 103   | 0.11     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.674 | 5.8   | 102   | 0.11     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071715\  
Data File : BF080543.D  
Acq On : 17 Jul 2015 19:57  
Operator : TP/UM  
Sample : SSTDICV040  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF071715

Quant Time: Jul 20 14:11:02 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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.994 | -2.5 | 94    | 0.14     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.484 | -3.7 | 106   | 0.11     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.549 | 3.6  | 101   | 0.14     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 37.414 | 6.5  | 98    | 0.13     |

(#) = Out of Range

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