

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
 Data File : BF080862.D  
 Acq On : 5 Aug 2015 4:33  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 05 08:09:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 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  | 97    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.358 | 1.6  | 96    | 0.01     |
| 3    | Pyridine                    | 40.000 | 42.003 | -5.0 | 92    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.285 | -0.7 | 98    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.837 | -2.3 | 97    | 0.00     |
| 6    | Aniline                     | 40.000 | 38.941 | 2.6  | 97    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 75.001 | 6.2  | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.429 | 1.4  | 97    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.918 | 0.2  | 96    | 0.00     |
| 10 C | Phenol                      | 40.000 | 34.657 | 13.4 | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.928 | 0.2  | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.808 | 5.5  | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.619 | 3.5  | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.252 | 6.9  | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.556 | -6.4 | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.783 | 3.0  | 96    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.131 | 2.2  | 95    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.642 | 0.9  | 95    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.866 | 7.8  | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.398 | 6.5  | 97    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.129 | 2.2  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 75.082 | 6.1  | 97    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.388 | 4.0  | 94    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.855 | 2.9  | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 36.794 | 8.0  | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.732 | 0.7  | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 34.922 | 12.7 | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 36.736 | 8.2  | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.580 | 3.6  | 96    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.577 | 1.1  | 97    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 37.502 | 6.2  | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.605 | 1.0  | 96    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.938 | 7.7  | 96    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.287 | 4.3  | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.175 | -0.4 | 94    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.080 | 2.3  | 102   | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 94    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.671 | 3.3  | 93    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 41.559 | -3.9 | 94    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 76.522 | 4.3  | 91    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 40.202 | -0.5 | 99    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 36.702 | 8.2  | 93    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 82.182 | -2.7 | 100   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
 Data File : BF080862.D  
 Acq On : 5 Aug 2015 4:33  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 05 08:09:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 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 | 40.279 | -0.7 | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.016 | 2.5  | 95    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.527 | -8.8 | 94    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 41.847 | -4.6 | 98    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.756 | 0.6  | 97    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.028 | -0.1 | 96    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 41.193 | -3.0 | 94    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.350 | -0.9 | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.934 | 7.7  | 86    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.118 | -2.8 | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.122 | -2.8 | 92    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.789 | -7.0 | 97    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.372 | 4.1  | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.432 | -3.6 | 94    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.492 | -1.2 | 97    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.659 | -1.6 | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.409 | -8.5 | 93    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.328 | 6.7  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 91    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.910 | 10.2 | 87    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.379 | 6.6  | 90    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.668 | -6.7 | 94    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.848 | 2.9  | 95    | 0.00     |
| 68   | Atrazine                   | 40.000 | 37.045 | 7.4  | 88    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 43.296 | -8.2 | 92    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.809 | 8.0  | 93    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.681 | -6.7 | 93    | 0.00     |
| 72   | Carbazole                  | 40.000 | 36.385 | 9.0  | 92    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 42.651 | -6.6 | 93    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.415 | -1.0 | 90    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 94    | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.598 | 8.5  | 81    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.259 | 1.9  | 89    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 82.434 | -3.0 | 92    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.907 | 5.2  | 88    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.246 | 6.9  | 88    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 35.215 | 12.0 | 85    | 0.00     |
| 82   | Chrysene                   | 40.000 | 34.596 | 13.5 | 83    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.026 | 2.4  | 88    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.782 | 0.5  | 87    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.425 | 6.4  | 86    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 83    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 34.444 | 13.9 | 65    | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
Data File : BF080862.D  
Acq On : 5 Aug 2015 4:33  
Operator : TP/UM  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 05 08:09:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 05 01:46:16 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 | 49.029 | -22.6 | 120   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.183 | 2.0   | 84    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.335 | -0.8  | 84    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 42.996 | -7.5  | 90    | 0.00     |

(#) = Out of Range

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