

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\  
 Data File : BG024723.D  
 Acq On : 7 Nov 2016 10:41  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 07 15:12:39 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 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   | 95    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 43.566 | -8.9  | 108   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.523 | -3.8  | 102   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.155 | -2.9  | 99    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.022 | -2.5  | 103   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.342 | -0.9  | 98    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 83.699 | -4.6  | 102   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.810 | -4.5  | 105   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.256 | -0.6  | 99    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.320 | -3.3  | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.350 | -0.9  | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.405 | -3.5  | 105   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.836 | -4.6  | 104   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.977 | -2.4  | 103   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.063 | -5.2  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.773 | 3.1   | 96    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.602 | -6.5  | 106   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.559 | -3.9  | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.512 | -6.3  | 102   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.458 | -8.6  | 104   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 43.270 | -8.2  | 105   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.575 | -5.7  | 104   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.682 | -1.7  | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.785 | -7.0  | 102   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.617 | -4.0  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 44.228 | -10.6 | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.672 | -6.7  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.969 | -9.9  | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.995 | -10.0 | 108   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 42.441 | -6.1  | 103   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.187 | 9.5   | 88    | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 42.869 | -7.2  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.587 | -9.0  | 110   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 42.769 | -6.9  | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 44.318 | -10.8 | 104   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.261 | -10.7 | 108   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.717 | -9.3  | 110   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 44.096 | -10.2 | 108   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 89.657 | -12.1 | 103   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.730 | -9.3  | 108   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.958 | -2.4  | 100   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.620 | -7.0  | 106   | -0.02    |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\  
 Data File : BG024723.D  
 Acq On : 7 Nov 2016 10:41  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 07 15:12:39 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 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 | 42.710 | -6.8  | 106   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.072 | -2.7  | 103   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.525 | -3.8  | 94    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 42.442 | -6.1  | 102   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 42.994 | -7.5  | 102   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.842 | -7.1  | 98    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.373 | 6.6   | 91    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.165 | -2.9  | 96    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 49.658 | -24.1 | 112   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 42.952 | -7.4  | 104   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.209 | 4.5   | 89    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.528 | -8.8  | 97    | 0.00     |
| 57   | Fluorene                   | 40.000 | 42.599 | -6.5  | 101   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.003 | -5.0  | 98    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 41.973 | -4.9  | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.603 | -6.5  | 104   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 41.804 | -4.5  | 97    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.294 | -0.7  | 95    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.048 | -2.6  | 94    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.007 | -2.5  | 98    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.342 | -8.4  | 104   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 44.052 | -10.1 | 103   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.301 | -0.8  | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.756 | 0.6   | 90    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.535 | -3.8  | 99    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.423 | -6.1  | 101   | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.024 | -2.6  | 98    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.849 | -4.6  | 99    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 43.182 | -8.0  | 100   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 90    | -0.02    |
| 76   | Benzidine                  | 40.000 | 38.681 | 3.3   | 91    | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.813 | -7.0  | 99    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 83.630 | -4.5  | 99    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.303 | -3.3  | 98    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 41.905 | -4.8  | 101   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.882 | -2.2  | 97    | 0.00     |
| 82   | Chrysene                   | 40.000 | 41.803 | -4.5  | 100   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.786 | -2.0  | 97    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.139 | -2.8  | 97    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.069 | -2.7  | 102   | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 91    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.234 | -3.1  | 102   | -0.02    |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\  
Data File : BG024723.D  
Acq On : 7 Nov 2016 10:41  
Operator : UM/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Nov 07 15:12:39 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 26 11:14:13 2016  
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 | 40.703 | -1.8 | 99    | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.368 | -3.4 | 101   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.415 | -1.0 | 103   | -0.04    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.064 | -0.2 | 103   | -0.04    |

(#) = Out of Range

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