

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051617\  
 Data File : BM010055.D  
 Acq On : 16 May 2017 16:08  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 17 05:39:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 11 19:50:16 2017  
 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    | 72    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 46.709 | -16.8  | 81    | 0.00     |
| 3    | Pyridine                     | 40.000 | 45.443 | -13.6  | 78    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 65.646 | -64.1# | 111   | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 88.218 | -10.3  | 76    | -0.02    |
| 6    | Aniline                      | 40.000 | 43.435 | -8.6   | 75    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 86.755 | -8.4   | 75    | -0.04    |
| 8    | 2-Chlorophenol               | 40.000 | 42.428 | -6.1   | 72    | -0.03    |
| 9    | Benzaldehyde                 | 40.000 | 45.216 | -13.0  | 77    | -0.02    |
| 10 C | Phenol                       | 40.000 | 42.609 | -6.5   | 74    | -0.04    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.317 | -3.3   | 71    | -0.03    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.242 | -5.6   | 74    | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.224 | -3.1   | 72    | -0.04    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 43.215 | -8.0   | 75    | -0.03    |
| 15   | Benzyl Alcohol               | 40.000 | 45.325 | -13.3  | 76    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 46.570 | -16.4  | 79    | -0.03    |
| 17   | 2-Methylphenol               | 40.000 | 43.757 | -9.4   | 74    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 52.524 | -31.3# | 86    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 48.260 | -20.6  | 81    | -0.03    |
| 20   | 3+4-Methylphenols            | 40.000 | 44.493 | -11.2  | 76    | -0.03    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 75    | -0.03    |
| 22   | Acetophenone                 | 40.000 | 41.270 | -3.2   | 78    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 90.930 | -13.7  | 84    | -0.03    |
| 24   | Nitrobenzene                 | 40.000 | 45.239 | -13.1  | 85    | -0.03    |
| 25   | Isophorone                   | 40.000 | 43.258 | -8.1   | 79    | -0.04    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.119 | -0.3   | 73    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.807 | -2.0   | 74    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.054 | -2.6   | 76    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.771 | -1.9   | 77    | -0.03    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.842 | 2.9    | 72    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 40.252 | -0.6   | 76    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 41.031 | -2.6   | 77    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 40.512 | -1.3   | 74    | -0.03    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.733 | -1.8   | 74    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 39.065 | 2.3    | 74    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.637 | -6.6   | 78    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.733 | 3.2    | 73    | -0.03    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 76    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.406 | 6.5    | 70    | -0.04    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.804 | -7.0   | 90    | -0.03    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.352 | -2.9   | 72    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.622 | 0.9    | 74    | -0.03    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.955 | 2.6    | 71    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.674 | 0.4    | 74    | -0.03    |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051617\  
 Data File : BM010055.D  
 Acq On : 16 May 2017 16:08  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 17 05:39:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 11 19:50:16 2017  
 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 | 40.615 | -1.5   | 76    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.813 | -2.0   | 75    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 52.430 | -31.1# | 91    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 41.130 | -2.8   | 74    | -0.03    |
| 49   | Dimethylphthalate          | 40.000 | 42.658 | -6.6   | 79    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.892 | -4.7   | 75    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 40.873 | -2.2   | 76    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 42.902 | -7.3   | 76    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 35.234 | 11.9   | 66    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 41.305 | -3.3   | 77    | -0.03    |
| 55 P | 4-Nitrophenol              | 40.000 | 40.006 | -0.0   | 73    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.497 | -3.7   | 78    | -0.03    |
| 57   | Fluorene                   | 40.000 | 42.182 | -5.5   | 77    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.320 | 4.2    | 70    | -0.03    |
| 59   | Diethylphthalate           | 40.000 | 45.269 | -13.2  | 84    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.107 | -0.3   | 74    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 43.635 | -9.1   | 77    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 52.778 | -31.9# | 94    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 76    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.395 | 9.0    | 70    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.250 | -0.6   | 76    | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.887 | 0.3    | 74    | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 39.313 | 1.7    | 74    | -0.04    |
| 68   | Atrazine                   | 40.000 | 43.866 | -9.7   | 78    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 39.548 | 1.1    | 80    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 41.527 | -3.8   | 79    | -0.03    |
| 71   | Anthracene                 | 40.000 | 41.571 | -3.9   | 78    | -0.03    |
| 72   | Carbazole                  | 40.000 | 42.456 | -6.1   | 79    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 47.358 | -18.4  | 87    | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 41.894 | -4.7   | 78    | -0.03    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 78    | -0.03    |
| 76   | Benzidine                  | 40.000 | 34.371 | 14.1   | 60    | -0.02    |
| 77   | Pyrene                     | 40.000 | 41.057 | -2.6   | 79    | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 85.939 | -7.4   | 84    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 48.562 | -21.4  | 93    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.515 | -1.3   | 78    | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.779 | 3.1    | 72    | -0.03    |
| 82   | Chrysene                   | 40.000 | 40.661 | -1.7   | 78    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 49.250 | -23.1  | 94    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 50.273 | -25.7# | 96    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.406 | 4.0    | 70    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 71    | -0.05    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.700 | -1.8   | 74    | -0.04    |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051617\  
Data File : BM010055.D  
Acq On : 16 May 2017 16:08  
Operator : SJ/MA  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC040

Quant Time: May 17 05:39:55 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 11 19:50:16 2017  
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 | 42.969 | -7.4 | 75    | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.292 | -3.2 | 73    | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.140 | 2.1  | 69    | -0.08    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.067 | -0.2 | 70    | -0.08    |

(#) = Out of Range

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