

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018733.D  
 Acq On : 17 Sep 2015 11:24  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 18 03:38:48 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 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  | 88    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 36.611 | 8.5  | 93    | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.771 | 8.1  | 87    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.896 | 12.8 | 82    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.799 | 1.5  | 93    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.836 | 0.4  | 93    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.929 | -2.4 | 95    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.555 | -1.4 | 96    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.467 | 6.3  | 85    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.842 | -2.1 | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.936 | 2.7  | 93    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.758 | 5.6  | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.722 | 3.2  | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.561 | 1.1  | 93    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.989 | -5.0 | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.981 | 7.5  | 89    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.011 | -2.5 | 97    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 36.949 | 7.6  | 88    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.153 | -0.4 | 96    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.257 | -8.1 | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 94    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.693 | 3.3  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.047 | 3.7  | 97    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.760 | 5.6  | 95    | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.800 | 3.0  | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.363 | -5.9 | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.124 | 2.2  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.068 | 2.3  | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.199 | -5.5 | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.364 | 1.6  | 99    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.942 | 2.6  | 98    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 43.918 | -9.8 | 117   | 0.03     |
| 33   | 4-Chloroaniline              | 40.000 | 41.152 | -2.9 | 105   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.053 | 2.4  | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.166 | 2.1  | 95    | 0.05     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.128 | -5.3 | 107   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.370 | -0.9 | 102   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.798 | 5.5  | 103   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 34.303 | 14.2 | 90    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 81.666 | -2.1 | 111   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.817 | -7.0 | 113   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.525 | -3.8 | 113   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 74.504 | 6.9  | 102   | 0.00     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018733.D  
 Acq On : 17 Sep 2015 11:24  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 18 03:38:48 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 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 | 37.388 | 6.5   | 103   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.281 | 4.3   | 106   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.387 | 1.5   | 103   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.601 | 3.5   | 105   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.861 | 5.3   | 104   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.551 | -3.9  | 110   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.606 | 6.0   | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.107 | -0.3  | 106   | 0.01     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 33.258 | 16.9  | 87    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.308 | 4.2   | 106   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.987 | 2.5   | 99    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.220 | -3.0  | 107   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.873 | 5.3   | 104   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.749 | 3.1   | 108   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.296 | 6.8   | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.787 | 0.5   | 109   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 38.187 | 4.5   | 101   | 0.02     |
| 62   | Azobenzene                 | 40.000 | 36.129 | 9.7   | 98    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.069 | 7.3   | 99    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.203 | 2.0   | 104   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.631 | -1.6  | 108   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.285 | -5.7  | 112   | 0.00     |
| 68   | Atrazine                   | 40.000 | 35.700 | 10.7  | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.317 | -0.8  | 99    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.025 | 4.9   | 100   | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.749 | 5.6   | 100   | 0.00     |
| 72   | Carbazole                  | 40.000 | 36.789 | 8.0   | 95    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 37.420 | 6.4   | 95    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.126 | 9.7   | 95    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 76   | Benzidine                  | 40.000 | 48.818 | -22.0 | 116   | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.685 | 3.3   | 95    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 78.374 | 2.0   | 96    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.495 | -1.2  | 96    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.875 | 0.3   | 97    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.603 | -9.0  | 105   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.665 | 0.8   | 97    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.041 | -2.6  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.543 | -3.9  | 99    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.775 | -1.9  | 99    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.868 | 0.3   | 100   | 0.00     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
Data File : BG018733.D  
Acq On : 17 Sep 2015 11:24  
Operator : TP  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Sep 18 03:38:48 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 11 10:44:16 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 | 37.919 | 5.2  | 98    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.223 | 1.9  | 99    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.661 | 0.8  | 99    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.714 | 3.2  | 98    | 0.01     |

(#) = Out of Range

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