

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061115\  
 Data File : BG017628.D  
 Acq On : 12 Jun 2015 2:18  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 03:31:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 01:16:03 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    | 113   | -0.08    |
| 2    | 1,4-Dioxane                 | 40.000 | 38.561 | 3.6    | 114   | -0.09    |
| 3    | Pyridine                    | 40.000 | 37.243 | 6.9    | 101   | -0.09    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 55.882 | -39.7# | 151   | -0.09    |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.043 | 4.9    | 106   | -0.09    |
| 6    | Aniline                     | 40.000 | 39.693 | 0.8    | 111   | -0.08    |
| 7 S  | Phenol-d6                   | 80.000 | 76.307 | 4.6    | 105   | -0.08    |
| 8    | 2-Chlorophenol              | 40.000 | 39.292 | 1.8    | 111   | -0.08    |
| 9    | Benzaldehyde                | 40.000 | 35.027 | 12.4   | 94    | -0.08    |
| 10 C | Phenol                      | 40.000 | 40.273 | -0.7   | 109   | -0.08    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.465 | 1.3    | 109   | -0.08    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.602 | 1.0    | 113   | -0.08    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.685 | 0.8    | 112   | -0.08    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.805 | 0.5    | 112   | -0.08    |
| 15   | Benzyl Alcohol              | 40.000 | 45.468 | -13.7  | 122   | -0.08    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.108 | 4.7    | 106   | -0.08    |
| 17   | 2-Methylphenol              | 40.000 | 41.721 | -4.3   | 115   | -0.08    |
| 18   | Hexachloroethane            | 40.000 | 43.788 | -9.5   | 121   | -0.08    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.890 | -9.7   | 122   | -0.08    |
| 20   | 3+4-Methylphenols           | 40.000 | 41.011 | -2.5   | 112   | -0.08    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 113   | -0.08    |
| 22   | Acetophenone                | 40.000 | 42.806 | -7.0   | 118   | -0.08    |
| 23 S | Nitrobenzene-d5             | 80.000 | 91.758 | -14.7  | 125   | -0.08    |
| 24   | Nitrobenzene                | 40.000 | 45.435 | -13.6  | 126   | -0.08    |
| 25   | Isophorone                  | 40.000 | 42.812 | -7.0   | 121   | -0.08    |
| 26 C | 2-Nitrophenol               | 40.000 | 43.540 | -8.8   | 118   | -0.08    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.571 | -3.9   | 115   | -0.08    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.409 | -3.5   | 112   | -0.08    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 45.865 | -14.7  | 125   | -0.09    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 46.640 | -16.6  | 131   | -0.08    |
| 31   | Naphthalene                 | 40.000 | 39.995 | 0.0    | 111   | -0.08    |
| 32   | Benzoic acid                | 40.000 | 43.119 | -7.8   | 116   | -0.08    |
| 33   | 4-Chloroaniline             | 40.000 | 40.641 | -1.6   | 112   | -0.08    |
| 34 C | Hexachlorobutadiene         | 40.000 | 55.433 | -38.6# | 154   | -0.08    |
| 35   | Caprolactam                 | 40.000 | 36.607 | 8.5    | 96    | -0.09    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.413 | -6.0   | 114   | -0.09    |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.657 | -6.6   | 117   | -0.08    |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 128   | -0.08    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 48.646 | -21.6  | 158   | -0.08    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 29.925 | 25.2#  | 90    | -0.08    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 82.699 | -3.4   | 128   | -0.08    |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 43.728 | -9.3   | 131   | -0.08    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 43.886 | -9.7   | 140   | -0.09    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 87.162 | -9.0   | 138   | -0.08    |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061115\  
 Data File : BG017628.D  
 Acq On : 12 Jun 2015 2:18  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 03:31:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 01:16:03 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 | 40.267 | -0.7   | 126   | -0.08    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.602 | -4.0   | 127   | -0.08    |
| 47   | 2-Nitroaniline             | 40.000 | 41.644 | -4.1   | 127   | -0.08    |
| 48   | Acenaphthylene             | 40.000 | 40.409 | -1.0   | 125   | -0.08    |
| 49   | Dimethylphthalate          | 40.000 | 39.228 | 1.9    | 121   | -0.08    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.137 | -0.3   | 126   | -0.08    |
| 51 C | Acenaphthene               | 40.000 | 39.687 | 0.8    | 126   | -0.08    |
| 52   | 3-Nitroaniline             | 40.000 | 35.806 | 10.5   | 111   | -0.08    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.789 | 8.0    | 117   | -0.07    |
| 54   | Dibenzofuran               | 40.000 | 43.172 | -7.9   | 133   | -0.08    |
| 55 P | 4-Nitrophenol              | 40.000 | 30.318 | 24.2   | 93    | -0.09    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.649 | -4.1   | 124   | -0.08    |
| 57   | Fluorene                   | 40.000 | 43.114 | -7.8   | 134   | -0.08    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 50.111 | -25.3# | 149   | -0.08    |
| 59   | Diethylphthalate           | 40.000 | 38.969 | 2.6    | 121   | -0.08    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 47.786 | -19.5  | 150   | -0.08    |
| 61   | 4-Nitroaniline             | 40.000 | 33.789 | 15.5   | 99    | -0.08    |
| 62   | Azobenzene                 | 40.000 | 44.891 | -12.2  | 139   | -0.08    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 132   | -0.08    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.477 | -1.2   | 132   | -0.07    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.268 | -0.7   | 130   | -0.08    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.934 | -9.8   | 147   | -0.08    |
| 67   | Hexachlorobenzene          | 40.000 | 42.703 | -6.8   | 141   | -0.08    |
| 68   | Atrazine                   | 40.000 | 41.174 | -2.9   | 131   | -0.08    |
| 69 C | Pentachlorophenol          | 40.000 | 34.193 | 14.5   | 111   | -0.08    |
| 70   | Phenanthrene               | 40.000 | 39.244 | 1.9    | 130   | -0.08    |
| 71   | Anthracene                 | 40.000 | 38.951 | 2.6    | 130   | -0.08    |
| 72   | Carbazole                  | 40.000 | 36.735 | 8.2    | 122   | -0.08    |
| 73   | Di-n-butylphthalate        | 40.000 | 36.055 | 9.9    | 118   | -0.08    |
| 74 C | Fluoranthene               | 40.000 | 41.146 | -2.9   | 137   | -0.08    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 133   | -0.08    |
| 76   | Benzidine                  | 40.000 | 31.985 | 20.0   | 99    | -0.08    |
| 77   | Pyrene                     | 40.000 | 40.943 | -2.4   | 134   | -0.08    |
| 78 S | Terphenyl-d14              | 80.000 | 87.139 | -8.9   | 143   | -0.08    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.507 | 6.2    | 121   | -0.08    |
| 80   | Benzo(a)anthracene         | 40.000 | 43.429 | -8.6   | 142   | -0.08    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.490 | -1.2   | 130   | -0.08    |
| 82   | Chrysene                   | 40.000 | 44.002 | -10.0  | 144   | -0.08    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.750 | 5.6    | 123   | -0.08    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 35.759 | 10.6   | 118   | -0.09    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.272 | 1.8    | 128   | -0.18    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 124   | -0.12    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.774 | -6.9   | 129   | -0.10    |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061115\  
Data File : BG017628.D  
Acq On : 12 Jun 2015 2:18  
Operator : TP/IZ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Jun 12 03:31:54 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 12 01:16:03 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 | 43.215 | -8.0 | 137  | -0.11      |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.506 | -6.3 | 130  | -0.12      |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.206 | -3.0 | 126  | -0.18      |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 41.478 | -3.7 | 129  | -0.20      |

(#) = Out of Range

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