

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\  
 Data File : BG040744.D  
 Acq On : 4 May 2019 3:58  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 05 23:56:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 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    | 126   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 41.457 | -3.6   | 136   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.885 | -4.7   | 131   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.218 | -5.5   | 140   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 87.091 | -8.9   | 142   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.767 | -1.9   | 131   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 87.536 | -9.4   | 142   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 41.362 | -3.4   | 133   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 48.285 | -20.7  | 147   | 0.00     |
| 10 C | Phenol                       | 40.000 | 43.122 | -7.8   | 140   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.071 | -0.2   | 130   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.979 | -4.9   | 136   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.682 | -4.2   | 135   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.036 | -2.6   | 134   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 39.682 | 0.8    | 128   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.140 | 9.6    | 117   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 41.888 | -4.7   | 137   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.425 | 1.4    | 129   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.018 | 2.5    | 129   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.253 | -3.1   | 133   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 126   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 41.771 | -4.4   | 132   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 89.892 | -12.4  | 143   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 43.802 | -9.5   | 142   | -0.01    |
| 25   | Isophorone                   | 40.000 | 39.469 | 1.3    | 126   | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 52.314 | -30.8# | 168   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.955 | -4.9   | 134   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.157 | -0.4   | 127   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 45.977 | -14.9  | 144   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.995 | -10.0  | 139   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 41.944 | -4.9   | 132   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 11.674 | 70.8#  | 38    | -0.08    |
| 33   | 4-Chloroaniline              | 40.000 | 42.590 | -6.5   | 137   | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.261 | -10.7  | 141   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 42.889 | -7.2   | 135   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 45.215 | -13.0  | 148   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.060 | -5.2   | 132   | -0.02    |
| 38   | 1-Methylnaphthalene          | 40.000 | 42.314 | -5.8   | 134   | -0.02    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 133   | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.651 | -9.1   | 145   | -0.02    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 43.524 | -8.8   | 146   | -0.02    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 92.973 | -16.2  | 157   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 47.143 | -17.9  | 162   | -0.02    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 47.319 | -18.3  | 160   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\  
 Data File : BG040744.D  
 Acq On : 4 May 2019 3:58  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 05 23:56:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 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 S | 2-Fluorobiphenyl           | 80.000 | 81.785 | -2.2   | 136   | -0.02    |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.537 | -1.3   | 135   | -0.02    |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.454 | -3.6   | 139   | -0.02    |
| 48   | 2-Nitroaniline             | 40.000 | 49.176 | -22.9  | 169   | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 40.735 | -1.8   | 135   | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 41.680 | -4.2   | 138   | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 48.100 | -20.3  | 161   | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 39.675 | 0.8    | 136   | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 48.512 | -21.3  | 163   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 10.237 | 74.4#  | 14    | -0.02    |
| 55   | Dibenzofuran               | 40.000 | 42.154 | -5.4   | 143   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 39.027 | 2.4    | 134   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 51.459 | -28.6# | 175   | -0.01    |
| 58   | Fluorene                   | 40.000 | 42.120 | -5.3   | 141   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.212 | -15.5  | 154   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 41.197 | -3.0   | 138   | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 43.865 | -9.7   | 148   | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 45.711 | -14.3  | 154   | -0.02    |
| 63   | Azobenzene                 | 40.000 | 39.420 | 1.4    | 132   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 141   | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 14.600 | 63.5#  | 36    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.519 | 1.2    | 141   | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.148 | -5.4   | 152   | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 41.978 | -4.9   | 152   | -0.01    |
| 69   | Atrazine                   | 40.000 | 38.524 | 3.7    | 134   | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 20.805 | 48.0#  | 74    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 40.856 | -2.1   | 145   | -0.01    |
| 72   | Anthracene                 | 40.000 | 40.292 | -0.7   | 142   | -0.02    |
| 73   | Carbazole                  | 40.000 | 40.096 | -0.2   | 141   | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 38.738 | 3.2    | 137   | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 41.469 | -3.7   | 147   | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 144   | -0.02    |
| 77   | Benzidine                  | 40.000 | 36.584 | 8.5    | 124   | -0.02    |
| 78   | Pyrene                     | 40.000 | 41.097 | -2.7   | 145   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 80.155 | -0.2   | 141   | -0.02    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.593 | -1.5   | 146   | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 40.774 | -1.9   | 145   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.765 | -4.4   | 147   | -0.02    |
| 83   | Chrysene                   | 40.000 | 40.971 | -2.4   | 146   | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.632 | 3.4    | 138   | -0.03    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.077 | 2.3    | 140   | -0.05    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.782 | 3.0    | 140   | -0.06    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 145   | -0.04    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\  
Data File : BG040744.D  
Acq On : 4 May 2019 3:58  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: May 05 23:56:13 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 24 05:35:33 2019  
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(b)fluoranthene   | 40.000 | 41.402 | -3.5 | 149   | -0.03    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 42.549 | -6.4 | 154   | -0.03    |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.705 | -4.3 | 150   | -0.04    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.495 | 3.8  | 138   | -0.07    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.091 | 2.3  | 140   | -0.07    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2