

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091018\  
 Data File : BG036645.D  
 Acq On : 11 Sep 2018 4:07  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 11 04:41:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 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   | 128   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.324 | 9.2   | 122   | 0.00     |
| 3    | Pyridine                     | 40.000 | 37.017 | 7.5   | 117   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.711 | 10.7  | 114   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.503 | 4.4   | 123   | 0.00     |
| 6    | Aniline                      | 40.000 | 36.681 | 8.3   | 118   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.588 | 3.0   | 125   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.332 | 4.2   | 123   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.252 | 11.9  | 121   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.970 | 2.6   | 125   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.651 | 8.4   | 119   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.237 | 4.4   | 125   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.069 | 4.8   | 124   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.849 | 5.4   | 124   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.926 | 7.7   | 117   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.568 | 16.1  | 110   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.331 | 4.2   | 125   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.445 | 6.4   | 120   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.104 | 12.2  | 114   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.073 | 4.8   | 123   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 130   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 36.194 | 9.5   | 118   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.962 | -2.5  | 130   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.980 | 2.6   | 123   | 0.00     |
| 25   | Isophorone                   | 40.000 | 35.164 | 12.1  | 114   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.353 | -10.9 | 144   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.168 | 9.6   | 118   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.042 | 9.9   | 117   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.310 | -3.3  | 132   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.077 | 2.3   | 130   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.400 | 6.5   | 122   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 30.907 | 22.7  | 99    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.096 | 4.8   | 123   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.447 | -1.1  | 130   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.285 | 1.8   | 123   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.433 | -1.1  | 129   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.232 | 4.4   | 124   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 136   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.088 | 2.3   | 133   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.395 | 11.5  | 119   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 90.685 | -13.4 | 146   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.639 | -1.6  | 136   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.807 | -2.0  | 135   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.298 | 5.9   | 130   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091018\  
 Data File : BG036645.D  
 Acq On : 11 Sep 2018 4:07  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 11 04:41:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 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 | 36.424 | 8.9   | 127   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.705 | 5.7   | 129   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.833 | -4.6  | 135   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.298 | 6.8   | 128   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.155 | 4.6   | 130   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.423 | -3.6  | 139   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 36.651 | 8.4   | 125   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.033 | -7.6  | 136   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 25.529 | 36.2# | 85    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.949 | 5.1   | 131   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.020 | 9.9   | 116   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 46.467 | -16.2 | 154   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.671 | 5.8   | 128   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.403 | -11.0 | 147   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.043 | 2.4   | 132   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.419 | 1.5   | 136   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.698 | -6.7  | 136   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 35.949 | 10.1  | 123   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 146   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.921 | 2.7   | 142   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.561 | 11.1  | 133   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.191 | 4.5   | 141   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.245 | 1.9   | 144   | 0.00     |
| 68   | Atrazine                   | 40.000 | 31.958 | 20.1  | 120   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 45.105 | -12.8 | 154   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.497 | 8.8   | 135   | 0.00     |
| 71   | Anthracene                 | 40.000 | 36.664 | 8.3   | 134   | 0.00     |
| 72   | Carbazole                  | 40.000 | 35.982 | 10.0  | 131   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 35.686 | 10.8  | 128   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.481 | 8.8   | 132   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 143   | 0.00     |
| 76   | Benzidine                  | 40.000 | 31.601 | 21.0  | 121   | 0.00     |
| 77   | Pyrene                     | 40.000 | 36.896 | 7.8   | 131   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.588 | 6.8   | 135   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.316 | 6.7   | 129   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.761 | 8.1   | 134   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 35.770 | 10.6  | 125   | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.277 | 6.8   | 134   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.567 | 8.6   | 128   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.576 | 8.6   | 126   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 32.897 | 17.8  | 117   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 143   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.033 | 7.4   | 131   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091018\  
Data File : BG036645.D  
Acq On : 11 Sep 2018 4:07  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Sep 11 04:41:26 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 31 13:03:20 2018  
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 | 37.995 | 5.0  | 136   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.507 | 6.2  | 133   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 32.303 | 19.2 | 115   | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 33.305 | 16.7 | 119   | -0.01    |

(#) = Out of Range

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