

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG080618\  
 Data File : BG036146.D  
 Acq On : 7 Aug 2018 3:57  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 07 04:39:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 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   | 88    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 35.209 | 12.0  | 84    | -0.01    |
| 3    | Pyridine                     | 40.000 | 35.568 | 11.1  | 76    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.323 | 14.2  | 77    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.090 | 1.1   | 87    | -0.01    |
| 6    | Aniline                      | 40.000 | 36.609 | 8.5   | 81    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 78.106 | 2.4   | 86    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 39.703 | 0.7   | 87    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 37.243 | 6.9   | 81    | -0.01    |
| 10 C | Phenol                       | 40.000 | 40.456 | -1.1  | 88    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.212 | 4.5   | 84    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.799 | -2.0  | 91    | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.017 | -2.5  | 91    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.033 | -2.6  | 92    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 37.233 | 6.9   | 82    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.064 | 17.3  | 73    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 38.033 | 4.9   | 82    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.034 | 2.4   | 88    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.845 | 10.4  | 81    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.195 | 2.0   | 83    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 86    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 37.286 | 6.8   | 83    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.535 | 5.6   | 82    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 37.169 | 7.1   | 82    | -0.01    |
| 25   | Isophorone                   | 40.000 | 35.432 | 11.4  | 78    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.527 | -8.8  | 92    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.947 | 5.1   | 82    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.245 | 9.4   | 79    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.907 | -7.3  | 90    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.778 | -4.4  | 92    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 38.372 | 4.1   | 87    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 33.309 | 16.7  | 72    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.232 | 4.4   | 85    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.487 | -8.7  | 96    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 34.695 | 13.3  | 79    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.576 | 1.1   | 85    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.470 | 1.3   | 87    | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 87    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.984 | 0.0   | 93    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.087 | 9.8   | 81    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 90.009 | -12.5 | 102   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.994 | -5.0  | 91    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.279 | -3.2  | 96    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.574 | 3.0   | 90    | -0.02    |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG080618\  
 Data File : BG036146.D  
 Acq On : 7 Aug 2018 3:57  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 07 04:39:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 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 | 38.028 | 4.9   | 87    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.032 | 4.9   | 88    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 37.460 | 6.3   | 84    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 38.418 | 4.0   | 88    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 38.712 | 3.2   | 91    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.858 | -7.1  | 96    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.080 | 4.8   | 89    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 39.309 | 1.7   | 87    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.545 | -1.4  | 97    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.462 | 3.8   | 89    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 39.197 | 2.0   | 87    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.847 | -4.6  | 91    | -0.01    |
| 57   | Fluorene                   | 40.000 | 38.887 | 2.8   | 91    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.555 | -6.4  | 96    | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 38.687 | 3.3   | 89    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.235 | -0.6  | 94    | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 36.545 | 8.6   | 80    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 35.269 | 11.8  | 82    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 91    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.130 | -7.8  | 102   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.136 | 4.7   | 89    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.105 | -2.8  | 95    | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 40.537 | -1.3  | 96    | -0.01    |
| 68   | Atrazine                   | 40.000 | 34.151 | 14.6  | 77    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 33.329 | 16.7  | 75    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 38.354 | 4.1   | 91    | -0.02    |
| 71   | Anthracene                 | 40.000 | 38.238 | 4.4   | 90    | -0.01    |
| 72   | Carbazole                  | 40.000 | 36.636 | 8.4   | 86    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 37.410 | 6.5   | 87    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 36.833 | 7.9   | 87    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 86    | -0.02    |
| 76   | Benzidine                  | 40.000 | 28.209 | 29.5# | 66    | -0.01    |
| 77   | Pyrene                     | 40.000 | 38.801 | 3.0   | 88    | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 79.803 | 0.2   | 90    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.193 | 2.0   | 86    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 37.943 | 5.1   | 86    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.896 | 2.8   | 85    | -0.02    |
| 82   | Chrysene                   | 40.000 | 38.061 | 4.8   | 86    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.814 | 0.5   | 87    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.396 | -1.0  | 87    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.905 | 2.7   | 86    | -0.05    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 88    | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.497 | 6.3   | 87    | -0.02    |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG080618\  
Data File : BG036146.D  
Acq On : 7 Aug 2018 3:57  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 07 04:39:26 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 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 | 39.038 | 2.4  | 88    | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.901 | 5.2  | 85    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.200 | 4.5  | 86    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.606 | 3.5  | 86    | -0.05    |

(#) = Out of Range

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