

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030519\  
 Data File : BG039764.D  
 Acq On : 5 Mar 2019 14:48  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDC0040

Quant Time: Mar 05 15:47:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 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  | 97    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.940 | 0.2  | 102   | -0.01    |
| 3    | Pyridine                     | 40.000 | 42.650 | -6.6 | 97    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.114 | -5.3 | 100   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.518 | -4.4 | 100   | -0.01    |
| 6    | Aniline                      | 40.000 | 41.268 | -3.2 | 100   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 84.367 | -5.5 | 101   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 40.752 | -1.9 | 98    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 41.427 | -3.6 | 100   | -0.01    |
| 10 C | Phenol                       | 40.000 | 42.324 | -5.8 | 100   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.290 | -3.2 | 101   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.025 | -2.6 | 100   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.218 | -0.5 | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.027 | -0.1 | 98    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 43.250 | -8.1 | 102   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.504 | -1.3 | 99    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 42.592 | -6.5 | 101   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.526 | 1.2  | 99    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.585 | -4.0 | 98    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.015 | -7.5 | 102   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 100   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.629 | -1.6 | 100   | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.817 | -3.5 | 101   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 40.862 | -2.2 | 100   | -0.01    |
| 25   | Isophorone                   | 40.000 | 41.215 | -3.0 | 100   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.445 | -6.1 | 101   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.764 | -4.4 | 101   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.589 | 1.0  | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.998 | -5.0 | 100   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.231 | 1.9  | 98    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.348 | -0.9 | 100   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.249 | -0.6 | 105   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.229 | -0.6 | 97    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.570 | 3.6  | 96    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 42.763 | -6.9 | 102   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.898 | -4.7 | 100   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.649 | -1.6 | 100   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.180 | -0.4 | 98    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.538 | -1.3 | 101   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 39.415 | 1.5  | 96    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 85.562 | -7.0 | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.391 | -6.0 | 101   | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.176 | -5.4 | 98    | -0.01    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030519\  
 Data File : BG039764.D  
 Acq On : 5 Mar 2019 14:48  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 05 15:47:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 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 | 80.011 | -0.0  | 99    | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.539 | -1.3  | 100   | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.577 | -1.4  | 101   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 44.653 | -11.6 | 105   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.845 | -2.1  | 99    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 40.601 | -1.5  | 99    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.548 | -8.9  | 102   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.166 | -2.9  | 102   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 42.788 | -7.0  | 101   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.126 | 19.7  | 77    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.398 | -1.0  | 99    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.243 | -3.1  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.525 | -8.8  | 102   | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.301 | -3.3  | 102   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.649 | -9.1  | 103   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.098 | -2.7  | 99    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.018 | -0.0  | 98    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 42.074 | -5.2  | 97    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.184 | -3.0  | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.206 | 7.0   | 91    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.219 | -3.0  | 99    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.839 | -2.1  | 100   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.505 | -1.3  | 100   | -0.01    |
| 69   | Atrazine                   | 40.000 | 41.270 | -3.2  | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.697 | -1.7  | 98    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.292 | -0.7  | 100   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.965 | -2.4  | 101   | -0.01    |
| 73   | Carbazole                  | 40.000 | 40.704 | -1.8  | 101   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.847 | -2.1  | 100   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.016 | -0.0  | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 99    | -0.01    |
| 77   | Benzidine                  | 40.000 | 43.772 | -9.4  | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.109 | -2.8  | 100   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 81.310 | -1.6  | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.894 | -7.2  | 101   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 41.073 | -2.7  | 101   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.811 | -2.0  | 96    | -0.01    |
| 83   | Chrysene                   | 40.000 | 40.527 | -1.3  | 101   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.459 | -6.1  | 101   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.362 | -8.4  | 101   | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.672 | -4.2  | 100   | -0.02    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 96    | -0.01    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030519\  
Data File : BG039764.D  
Acq On : 5 Mar 2019 14:48  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 05 15:47:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 14:38:15 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 | 41.439 | -3.6 | 100   | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.841 | -2.1 | 99    | -0.01    |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.080 | -5.2 | 101   | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.204 | -3.0 | 100   | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.448 | -3.6 | 99    | -0.02    |

(#) = Out of Range

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