

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG100219\  
 Data File : BG042983.D  
 Acq On : 2 Oct 2019 13:54  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 03 04:25:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.821 | 5.4   | 117   | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.684 | 3.3   | 111   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.714 | 0.7   | 113   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.931 | 0.1   | 117   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.718 | 3.2   | 111   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.544 | -1.9  | 116   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.781 | -2.0  | 117   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.407 | 4.0   | 101   | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.411 | -1.0  | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.420 | 1.4   | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.935 | 0.2   | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.435 | 1.4   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.112 | -0.3  | 117   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.763 | 0.6   | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.882 | 12.8  | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.228 | -3.1  | 115   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.826 | 2.9   | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.845 | 2.9   | 109   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.970 | -2.4  | 116   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 114   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.518 | 3.7   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.340 | 2.1   | 112   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.241 | 4.4   | 111   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.663 | 3.3   | 110   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.795 | -4.5  | 122   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.025 | 2.4   | 114   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.205 | 4.5   | 108   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.578 | -3.9  | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.102 | 2.2   | 115   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.901 | 2.7   | 113   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 44.265 | -10.7 | 108   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.475 | -1.2  | 114   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.954 | 5.1   | 111   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.695 | -4.2  | 118   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.443 | -3.6  | 115   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.323 | 1.7   | 112   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.261 | 1.8   | 115   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.808 | 5.5   | 96    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.595 | 3.5   | 111   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 84.512 | -5.6  | 125   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.791 | 0.5   | 115   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.323 | -0.8  | 118   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG100219\  
 Data File : BG042983.D  
 Acq On : 2 Oct 2019 13:54  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 03 04:25:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 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 | 77.281 | 3.4  | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.728 | 5.7  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.900 | 2.8  | 113   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.066 | -0.2 | 116   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.506 | 1.2  | 115   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.031 | 4.9  | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.949 | 0.1  | 116   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.016 | -0.0 | 113   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.218 | -0.5 | 117   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.854 | 5.4  | 110   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.177 | 2.1  | 114   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.159 | -0.4 | 114   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.817 | 0.5  | 115   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.845 | 2.9  | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.320 | -0.8 | 117   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.872 | 5.3  | 110   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.090 | 4.8  | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.815 | -2.0 | 121   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.681 | 5.8  | 109   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 114   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.708 | 8.2  | 103   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.130 | -0.3 | 114   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.379 | -0.9 | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.285 | -3.2 | 118   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.742 | 3.1  | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.217 | -0.5 | 113   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.423 | 1.4  | 112   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.570 | 1.1  | 112   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.106 | 2.2  | 112   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.179 | 2.1  | 110   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.580 | 3.6  | 110   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 77   | Benzidine                  | 40.000 | 41.517 | -3.8 | 110   | -0.01    |
| 78   | Pyrene                     | 40.000 | 39.510 | 1.2  | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.968 | -3.7 | 109   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.349 | -3.4 | 115   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.240 | -0.6 | 112   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.447 | -1.1 | 111   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.521 | 1.2  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.951 | -2.4 | 116   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.531 | -3.8 | 117   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.266 | -3.2 | 117   | -0.04    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 115   | -0.03    |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG100219\  
Data File : BG042983.D  
Acq On : 2 Oct 2019 13:54  
Operator : JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 03 04:25:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 25 15:35:52 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 | 40.192 | -0.5 | 117   | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.531 | 3.7  | 112   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.542 | 1.1  | 115   | -0.03    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.080 | -0.2 | 117   | -0.04    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.964 | 0.1  | 117   | -0.04    |

(#) = Out of Range

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