

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\  
 Data File : BG043798.D  
 Acq On : 11 Dec 2019 16:52  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 12 02:27:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 09 18:16:57 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  | 101   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.526 | 1.2  | 102   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.736 | -6.8 | 100   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.179 | 2.1  | 99    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.107 | -1.4 | 101   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.246 | -0.6 | 102   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.344 | -1.7 | 102   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.094 | -0.2 | 102   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 43.447 | -8.6 | 114   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.969 | 0.1  | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.659 | 0.9  | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.434 | 1.4  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.252 | 1.9  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.144 | 2.1  | 100   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.523 | -1.3 | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.249 | 1.9  | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.954 | 0.1  | 102   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.643 | -1.6 | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.390 | 1.5  | 100   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.584 | -1.5 | 102   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.816 | 3.0  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.005 | -0.0 | 103   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.956 | 2.6  | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.454 | 1.4  | 100   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.394 | -1.0 | 118   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.653 | 0.9  | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.230 | 1.9  | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.342 | -0.9 | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.920 | 2.7  | 101   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.492 | 1.3  | 101   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 42.898 | -7.2 | 125   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.601 | 1.0  | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.646 | 3.4  | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.090 | -2.7 | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.520 | -1.3 | 103   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.376 | 1.6  | 100   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.177 | 2.1  | 100   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.636 | 5.9  | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 37.343 | 6.6  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.866 | -2.3 | 108   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.338 | -0.8 | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.892 | -2.2 | 106   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\  
 Data File : BG043798.D  
 Acq On : 11 Dec 2019 16:52  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 12 02:27:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 09 18:16:57 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 | 79.060 | 1.2    | 101   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.045 | 2.4    | 101   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.792 | 3.0    | 101   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.331 | -3.3   | 108   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.676 | 0.8    | 102   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.067 | -0.2   | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.223 | -0.6   | 105   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.801 | 3.0    | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.599 | -1.5   | 106   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.906 | -4.8   | 120   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.481 | 1.3    | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 43.007 | -7.5   | 113   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.423 | -3.6   | 109   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.845 | 0.4    | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.855 | -2.1   | 106   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.917 | 0.2    | 104   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.777 | 3.1    | 103   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.471 | -1.2   | 107   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.332 | 1.7    | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.798 | 5.5    | 113   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.173 | 2.1    | 104   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.826 | 2.9    | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.650 | 3.4    | 104   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.990 | 5.0    | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.539 | -3.8   | 111   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.884 | 0.3    | 104   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.684 | 0.8    | 103   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.638 | 0.9    | 104   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.128 | -2.8   | 105   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.125 | -0.3   | 104   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 104   | 0.00     |
| 77   | Benzidine                  | 40.000 | 51.078 | -27.7# | 116   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.634 | 0.9    | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.178 | -1.5   | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.922 | -4.8   | 109   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.998 | 0.0    | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.593 | -1.5   | 107   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.840 | 0.4    | 104   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.892 | -2.2   | 106   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.208 | -5.5   | 107   | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.795 | 3.0    | 105   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 106   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\  
Data File : BG043798.D  
Acq On : 11 Dec 2019 16:52  
Operator : JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 12 02:27:36 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 09 18:16:57 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 | 38.285 | 4.3  | 106   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.241 | 1.9  | 104   | -0.01    |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.694 | 3.3  | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.188 | 4.5  | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.301 | 4.2  | 106   | 0.00     |

(#) = Out of Range

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