

Data Path : Z:\HPCHEM1\BNA G\Data\BG031318\  
 Data File : BG033115.D  
 Acq On : 13 Mar 2018 12:05  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 13 14:31:39 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 09 15:10:14 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    | 79    | 0.02     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.064 | 9.8    | 71    | 0.01     |
| 3    | Pyridine                     | 40.000 | 37.576 | 6.1    | 71    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 44.536 | -11.3  | 86    | 0.01     |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.875 | 5.2    | 73    | 0.00     |
| 6    | Aniline                      | 40.000 | 35.781 | 10.5   | 71    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.126 | 7.3    | 72    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.599 | 6.0    | 73    | 0.01     |
| 9    | Benzaldehyde                 | 40.000 | 44.299 | -10.7  | 90    | 0.01     |
| 10 C | Phenol                       | 40.000 | 37.443 | 6.4    | 74    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 34.788 | 13.0   | 69    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 36.559 | 8.6    | 72    | 0.02     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.535 | 8.7    | 72    | 0.02     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 35.901 | 10.2   | 71    | 0.01     |
| 15   | Benzyl Alcohol               | 40.000 | 37.592 | 6.0    | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.635 | -4.1   | 83    | 0.01     |
| 17   | 2-Methylphenol               | 40.000 | 35.894 | 10.3   | 70    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.484 | 3.8    | 75    | 0.02     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.971 | 10.1   | 72    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.794 | 8.0    | 73    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 78    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.121 | 7.2    | 73    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 92.726 | -15.9  | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 44.128 | -10.3  | 91    | 0.01     |
| 25   | Isophorone                   | 40.000 | 35.541 | 11.1   | 70    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 54.306 | -35.8# | 128   | 0.01     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 35.627 | 10.9   | 71    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 34.687 | 13.3   | 68    | 0.01     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.226 | 4.4    | 75    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.692 | 8.3    | 72    | 0.01     |
| 31   | Naphthalene                  | 40.000 | 36.552 | 8.6    | 72    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 43.356 | -8.4   | 95    | 0.05     |
| 33   | 4-Chloroaniline              | 40.000 | 35.347 | 11.6   | 70    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.148 | -0.4   | 78    | 0.01     |
| 35   | Caprolactam                  | 40.000 | 37.431 | 6.4    | 71    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.734 | 0.7    | 76    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.236 | 9.4    | 71    | 0.01     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 79    | 0.01     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.909 | 2.7    | 77    | 0.01     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.189 | -3.0   | 80    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 91.959 | -14.9  | 89    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.045 | -0.1   | 79    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.899 | -2.2   | 80    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 74.379 | 7.0    | 73    | 0.01     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 36.535 | 8.7    | 72    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.373 | 9.1    | 72    | 0.01     |
| 47   | 2-Nitroaniline             | 40.000 | 50.848 | -27.1# | 119   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.954 | 7.6    | 73    | 0.01     |
| 49   | Dimethylphthalate          | 40.000 | 36.045 | 9.9    | 71    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 47.470 | -18.7  | 106   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.290 | 6.8    | 74    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.931 | -9.8   | 95    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 50.952 | -27.4# | 113   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 36.565 | 8.6    | 73    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.780 | 8.0    | 76    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 55.063 | -37.7# | 132   | 0.00     |
| 57   | Fluorene                   | 40.000 | 36.411 | 9.0    | 73    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.931 | -4.8   | 82    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.018 | 7.5    | 73    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.704 | 5.7    | 75    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 41.283 | -3.2   | 85    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.766 | 8.1    | 73    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 58.769 | -46.9# | 151   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.286 | 11.8   | 73    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.517 | 8.7    | 77    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.454 | 6.4    | 79    | 0.00     |
| 68   | Atrazine                   | 40.000 | 34.889 | 12.8   | 71    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.808 | 5.5    | 78    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 35.642 | 10.9   | 74    | 0.00     |
| 71   | Anthracene                 | 40.000 | 35.857 | 10.4   | 74    | 0.00     |
| 72   | Carbazole                  | 40.000 | 34.501 | 13.7   | 71    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 35.891 | 10.3   | 73    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.421 | 8.9    | 76    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 85    | 0.00     |
| 76   | Benzidine                  | 40.000 | 40.282 | -0.7   | 88    | 0.00     |
| 77   | Pyrene                     | 40.000 | 34.910 | 12.7   | 75    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 72.287 | 9.6    | 78    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 38.082 | 4.8    | 78    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.434 | 8.9    | 78    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 35.632 | 10.9   | 74    | 0.00     |
| 82   | Chrysene                   | 40.000 | 36.357 | 9.1    | 78    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.225 | 6.9    | 75    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.356 | 1.6    | 78    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 34.315 | 14.2   | 71    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 89    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 35.206 | 12.0   | 77    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.472 | 8.8  | 81    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 35.785 | 10.5 | 79    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 32.225 | 19.4 | 70    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 32.855 | 17.9 | 72    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1