

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\  
 Data File : BF093816.D  
 Acq On : 22 Mar 2017 5:00  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 22 07:20:47 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 21 14:38:20 2017  
 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    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.471 | -1.2  | 87    | -0.01    |
| 3    | Pyridine                     | 40.000 | 40.783 | -2.0  | 88    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.977 | -2.4  | 87    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.440 | 2.0   | 87    | 0.00     |
| 6    | Aniline                      | 40.000 | 42.347 | -5.9  | 92    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.106 | -2.6  | 89    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.098 | -2.7  | 90    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.403 | -1.0  | 86    | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.844 | 5.4   | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.357 | 6.6   | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.339 | 1.7   | 85    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.757 | -4.4  | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.885 | 2.8   | 91    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 44.616 | -11.5 | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.412 | 1.5   | 88    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.777 | -4.4  | 88    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.116 | -2.8  | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.613 | 6.0   | 86    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.912 | -7.3  | 104   | 0.01     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.929 | 2.7   | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.299 | -4.1  | 88    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.548 | 6.1   | 88    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.345 | -0.9  | 90    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.716 | -6.8  | 81    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.370 | 1.6   | 88    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 35.895 | 10.3  | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.592 | 3.5   | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.759 | 0.6   | 87    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.837 | -4.6  | 90    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 26.281 | 34.3# | 57    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 41.479 | -3.7  | 94    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.102 | 2.2   | 86    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.029 | -2.6  | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.196 | 2.0   | 80    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.023 | 4.9   | 84    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.340 | -8.4  | 83    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 20.644 | 48.4# | 43    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.557 | -4.4  | 82    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.206 | -5.5  | 84    | 0.01     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.898 | -12.2 | 98    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 84.792 | -6.0  | 95    | 0.00     |

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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 | 41.404 | -3.5   | 86    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.996 | -7.5   | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 50.888 | -27.2# | 109   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.251 | -0.6   | 81    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.276 | 1.8    | 86    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.672 | -4.2   | 78    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.375 | 4.1    | 79    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 46.492 | -16.2  | 103   | 0.01     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 15.226 | 61.9#  | 28    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.696 | -4.2   | 83    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.664 | 8.3    | 63    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.969 | -9.9   | 77    | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.393 | -3.5   | 83    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.760 | 3.1    | 75    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.751 | -1.9   | 85    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.301 | -5.8   | 90    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 45.418 | -13.5  | 84    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.077 | 9.8    | 72    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 77    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 21.089 | 47.3#  | 42    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 46.778 | -16.9  | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.067 | -7.7   | 76    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.528 | -6.3   | 76    | 0.00     |
| 68   | Atrazine                   | 40.000 | 46.530 | -16.3  | 79    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.069 | 7.3    | 64    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 42.261 | -5.7   | 87    | 0.01     |
| 71   | Anthracene                 | 40.000 | 41.232 | -3.1   | 76    | 0.00     |
| 72   | Carbazole                  | 40.000 | 37.372 | 6.6    | 72    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.559 | -3.9   | 76    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.491 | 8.8    | 66    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 64    | 0.00     |
| 76   | Benzidine                  | 40.000 | 32.080 | 19.8   | 51    | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.232 | -5.6   | 68    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 83.374 | -4.2   | 68    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.721 | 0.7    | 70    | 0.01     |
| 80   | Benzo(a)anthracene         | 40.000 | 38.183 | 4.5    | 61    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.569 | 1.1    | 63    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.725 | 5.7    | 69    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.136 | 2.2    | 62    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.348 | 4.1    | 60    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 45.070 | -12.7  | 73    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.455 | -6.1   | 89    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.033 | 9.9  | 53    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.719 | -1.8 | 74    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.173 | -2.9 | 73    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.926 | 2.7  | 70    | 0.00     |

(#) = Out of Range

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