

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\  
 Data File : BF093456.D  
 Acq On : 9 Mar 2017 5:20  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 09 06:19:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 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   | 95    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.350 | -3.4  | 96    | -0.02    |
| 3    | Pyridine                     | 40.000 | 43.914 | -9.8  | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.609 | -9.0  | 110   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.149 | -6.4  | 102   | 0.00     |
| 6    | Aniline                      | 40.000 | 37.887 | 5.3   | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.463 | 4.4   | 95    | 0.01     |
| 8    | 2-Chlorophenol               | 40.000 | 38.978 | 2.6   | 95    | 0.01     |
| 9    | Benzaldehyde                 | 40.000 | 43.385 | -8.5  | 101   | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.819 | -2.0  | 107   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.428 | 6.4   | 93    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.399 | 4.0   | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.343 | 1.6   | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.874 | -4.7  | 102   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.120 | 2.2   | 100   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.506 | -1.3  | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.318 | 4.2   | 96    | 0.01     |
| 18   | Hexachloroethane             | 40.000 | 35.887 | 10.3  | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.339 | 9.2   | 97    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.062 | -7.7  | 104   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.569 | 3.6   | 96    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.926 | -2.4  | 101   | 0.01     |
| 24   | Nitrobenzene                 | 40.000 | 36.276 | 9.3   | 85    | 0.00     |
| 25   | Isophorone                   | 40.000 | 34.883 | 12.8  | 87    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 32.196 | 19.5  | 74    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.344 | 6.6   | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.543 | 3.6   | 98    | 0.01     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 37.566 | 6.1   | 91    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.519 | 6.2   | 90    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.856 | 5.4   | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 19.776 | 50.6# | 50    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 36.615 | 8.5   | 89    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.567 | -1.4  | 101   | 0.01     |
| 35   | Caprolactam                  | 40.000 | 33.445 | 16.4  | 78    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 33.716 | 15.7  | 81    | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 33.420 | 16.4  | 81    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.119 | -5.3  | 85    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 12.822 | 67.9# | 2     | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 64.621 | 19.2  | 66    | 0.01     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.149 | 2.1   | 80    | 0.01     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.916 | 5.2   | 73    | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 76.807 | 4.0   | 78    | 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 | 42.177 | -5.4  | 89    | 0.01     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.421 | -1.1  | 78    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.500 | -8.8  | 87    | 0.01     |
| 48   | Acenaphthylene             | 40.000 | 37.318 | 6.7   | 76    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.636 | 0.9   | 85    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.717 | -1.8  | 92    | 0.01     |
| 51 C | Acenaphthene               | 40.000 | 36.884 | 7.8   | 74    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.064 | -5.2  | 96    | 0.01     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 1.098  | 97.3# | 2     | 0.03     |
| 54   | Dibenzofuran               | 40.000 | 39.745 | 0.6   | 77    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 21.254 | 46.9# | 40    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 33.838 | 15.4  | 75    | 0.01     |
| 57   | Fluorene                   | 40.000 | 38.782 | 3.0   | 74    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 31.502 | 21.2  | 59    | 0.01     |
| 59   | Diethylphthalate           | 40.000 | 37.793 | 5.5   | 78    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.973 | 2.6   | 74    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 36.456 | 8.9   | 82    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 35.935 | 10.2  | 76    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 71    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 2.713  | 93.2# | 5     | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 43.809 | -9.5  | 74    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.497 | -3.7  | 75    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.858 | 5.4   | 64    | 0.00     |
| 68   | Atrazine                   | 40.000 | 35.966 | 10.1  | 63    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 36.354 | 9.1   | 63    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.341 | 6.6   | 66    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.004 | 2.5   | 75    | 0.01     |
| 72   | Carbazole                  | 40.000 | 40.243 | -0.6  | 75    | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.035 | -2.6  | 76    | 0.01     |
| 74 C | Fluoranthene               | 40.000 | 33.730 | 15.7  | 61    | 0.01     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 68    | 0.01     |
| 76   | Benzidine                  | 40.000 | 36.792 | 8.0   | 64    | 0.01     |
| 77   | Pyrene                     | 40.000 | 34.390 | 14.0  | 61    | 0.01     |
| 78 S | Terphenyl-d14              | 80.000 | 74.182 | 7.3   | 58    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.999 | 5.0   | 61    | 0.01     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.307 | 1.7   | 67    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 45.020 | -12.6 | 74    | 0.01     |
| 82   | Chrysene                   | 40.000 | 40.375 | -0.9  | 61    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.053 | 4.9   | 61    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.737 | -4.3  | 68    | 0.01     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.096 | 7.3   | 63    | 0.03     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 65    | 0.02     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.632 | -4.1  | 62    | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.464 | 1.3  | 77    | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.442 | -1.1 | 66    | 0.02     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.344 | 6.6  | 64    | 0.03     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 35.157 | 12.1 | 60    | 0.03     |

(#) = Out of Range

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