

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062316\  
 Data File : BF088295.D  
 Acq On : 23 Jun 2016 17:18  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 24 01:45:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 14:55:14 2016  
 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   | 70    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.848 | 0.4   | 71    | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.618 | 3.5   | 66    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.829 | 7.9   | 65    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.564 | -5.7  | 75    | 0.00     |
| 6    | Aniline                      | 40.000 | 37.602 | 6.0   | 66    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.707 | 2.9   | 71    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.467 | -1.2  | 72    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.801 | 5.5   | 68    | 0.00     |
| 10 C | Phenol                       | 40.000 | 46.547 | -16.4 | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.828 | -4.6  | 79    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.710 | 0.7   | 70    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.191 | -0.5  | 74    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.822 | 5.4   | 65    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.865 | 2.8   | 65    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 31.625 | 20.9  | 55    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.935 | 2.7   | 66    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.940 | 2.7   | 68    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.139 | -2.8  | 78    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 46.154 | -15.4 | 87    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 73    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 42.685 | -6.7  | 79    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 73.692 | 7.9   | 65    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.265 | -3.2  | 81    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.202 | 2.0   | 69    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.592 | -4.0  | 66    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.454 | 6.4   | 66    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.316 | -3.3  | 73    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.590 | -1.5  | 72    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.638 | 5.9   | 70    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.564 | 3.6   | 74    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 33.674 | 15.8  | 52    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.272 | 1.8   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 36.922 | 7.7   | 64    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.479 | -6.2  | 70    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.079 | -2.7  | 76    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.984 | 2.5   | 67    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 68    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.339 | -0.8  | 73    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.437 | 1.4   | 67    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 70.555 | 11.8  | 59    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.777 | 5.6   | 63    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 35.726 | 10.7  | 63    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 82.022 | -2.5  | 72    | 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 | 39.880 | 0.3   | 70    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.929 | 5.2   | 70    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 37.495 | 6.3   | 59    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.268 | 9.3   | 63    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 42.443 | -6.1  | 80    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.872 | 0.3   | 75    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 34.170 | 14.6  | 58    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.352 | -8.4  | 71    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 49.023 | -22.6 | 81    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 35.987 | 10.0  | 60    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.594 | -4.0  | 62    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.314 | -5.8  | 78    | 0.00     |
| 57   | Fluorene                   | 40.000 | 42.290 | -5.7  | 70    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.032 | 2.4   | 63    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.252 | -0.6  | 72    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 35.786 | 10.5  | 67    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.089 | -7.7  | 67    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.536 | 3.7   | 65    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 72    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.476 | 11.3  | 56    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.175 | -0.4  | 71    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.036 | 7.4   | 64    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.272 | 4.3   | 75    | 0.00     |
| 68   | Atrazine                   | 40.000 | 37.357 | 6.6   | 61    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 43.272 | -8.2  | 69    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.951 | 0.1   | 80    | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.027 | 4.9   | 65    | 0.00     |
| 72   | Carbazole                  | 40.000 | 42.021 | -5.1  | 83    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 36.269 | 9.3   | 65    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.098 | 2.3   | 69    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 65    | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.149 | 9.6   | 59    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.832 | -4.6  | 69    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 83.030 | -3.8  | 70    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.199 | -5.5  | 66    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 35.800 | 10.5  | 63    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.446 | 1.4   | 60    | 0.00     |
| 82   | Chrysene                   | 40.000 | 41.288 | -3.2  | 72    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.273 | -0.7  | 67    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.539 | 3.7   | 63    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.514 | -1.3  | 66    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 65    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 35.226 | 11.9  | 54    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.807 | 3.0  | 78    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.546 | 3.6  | 62    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.988 | -2.5 | 67    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 43.137 | -7.8 | 69    | 0.00     |

(#) = Out of Range

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