

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052316\  
 Data File : BF087321.D  
 Acq On : 24 May 2016 3:22  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 24 05:55:39 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 24 01:40:43 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  | 100   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.728 | -1.8 | 103   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.516 | 1.2  | 92    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.836 | -9.6 | 106   | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.396 | -8.0 | 102   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.924 | -2.3 | 98    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.129 | -0.2 | 100   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.908 | 0.2  | 99    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 36.119 | 9.7  | 98    | 0.00     |
| 10 C | Phenol                       | 40.000 | 34.965 | 12.6 | 95    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.315 | 1.7  | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.541 | 1.1  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.548 | 1.1  | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.277 | 1.8  | 100   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.110 | -2.8 | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.713 | 3.2  | 99    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.614 | 1.0  | 99    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.478 | 1.3  | 99    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.865 | 0.3  | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.556 | -3.9 | 98    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.366 | -0.9 | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.933 | -1.2 | 97    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.022 | -2.6 | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.390 | -1.0 | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.437 | -6.1 | 98    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.293 | -0.7 | 98    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.953 | 0.1  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.818 | -4.5 | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.137 | -0.3 | 99    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.244 | 1.9  | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.537 | 6.2  | 89    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.882 | 0.3  | 96    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.174 | -0.4 | 99    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.371 | -8.4 | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.119 | -5.3 | 99    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.841 | 0.4  | 100   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.837 | 0.4  | 98    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 38.174 | 4.6  | 91    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 81.087 | -1.4 | 97    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.570 | -3.9 | 98    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.121 | -2.8 | 100   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.214 | 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 | 38.506 | 3.7  | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.526 | 1.2  | 99    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.539 | -3.8 | 99    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.056 | 2.4  | 98    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.729 | 0.7  | 98    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.253 | -3.1 | 101   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.948 | 2.6  | 100   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.049 | -0.1 | 97    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.599 | 1.0  | 91    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.455 | 1.4  | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.459 | -6.1 | 102   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.108 | -2.8 | 97    | -0.01    |
| 57   | Fluorene                   | 40.000 | 38.886 | 2.8  | 97    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.649 | -6.6 | 99    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.371 | 4.1  | 97    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.867 | 0.3  | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.099 | -7.7 | 96    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.153 | -2.9 | 97    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.839 | -7.1 | 97    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.132 | -0.3 | 99    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.741 | 0.6  | 99    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 39.485 | 1.3  | 98    | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.658 | -1.6 | 101   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.615 | -1.5 | 96    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.739 | 3.2  | 99    | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.943 | 2.6  | 99    | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.751 | 0.6  | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.269 | -3.2 | 99    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.646 | 3.4  | 96    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 76   | Benzidine                  | 40.000 | 42.138 | -5.3 | 94    | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.461 | -1.2 | 99    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 83.733 | -4.7 | 101   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.794 | -4.5 | 95    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.409 | 1.5  | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.819 | 3.0  | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.507 | 3.7  | 97    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.388 | -1.0 | 97    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.443 | -3.6 | 94    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.155 | -2.9 | 99    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 95    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 34.307 | 14.2 | 76    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 45.236 | -13.1 | 126   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.776 | -1.9  | 99    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.119 | -5.3  | 99    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 42.375 | -5.9  | 99    | 0.00     |

(#) = Out of Range

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