

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\  
 Data File : BF078174.D  
 Acq On : 2 Apr 2015 1:47  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 02 13:58:44 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 02 13:21:29 2015  
 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  | 96    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.115 | -5.3 | 102   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.018 | -0.0 | 92    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.617 | -1.5 | 100   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.829 | -4.8 | 102   | -0.01    |
| 6    | Aniline                      | 40.000 | 40.944 | -2.4 | 101   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.254 | -2.8 | 101   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.348 | -3.4 | 100   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.545 | -3.9 | 99    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.777 | -1.9 | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.211 | -5.5 | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.528 | -1.3 | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.897 | -2.2 | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.643 | -1.6 | 101   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.097 | -2.7 | 100   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.698 | -1.7 | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.921 | -4.8 | 100   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.766 | -6.9 | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.834 | -4.6 | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.274 | -5.7 | 101   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.036 | -2.6 | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.379 | 0.8  | 100   | 0.01     |
| 24   | Nitrobenzene                 | 40.000 | 39.576 | 1.1  | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.435 | -6.1 | 103   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.399 | -8.5 | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.302 | -0.8 | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.865 | -2.2 | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.856 | -2.1 | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.478 | 1.3  | 102   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.141 | -0.4 | 102   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.600 | 1.0  | 100   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.466 | -3.7 | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.389 | -1.0 | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.799 | -9.5 | 104   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.622 | -6.6 | 104   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.018 | -0.0 | 101   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.624 | -1.6 | 100   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 40.497 | -1.2 | 104   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 87.626 | -9.5 | 104   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.240 | -5.6 | 102   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.329 | -3.3 | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.967 | 0.0  | 101   | 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 | 41.763 | -4.4  | 104   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.923 | 0.2   | 100   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 42.536 | -6.3  | 101   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 41.201 | -3.0  | 102   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.690 | 0.8   | 101   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.386 | -6.0  | 102   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.408 | -1.0  | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.759 | -9.4  | 101   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 43.364 | -8.4  | 113   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.612 | -1.5  | 103   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.146 | 4.6   | 95    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.994 | -12.5 | 106   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.647 | 0.9   | 98    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.853 | -9.6  | 104   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 41.846 | -4.6  | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.378 | -0.9  | 102   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 44.309 | -10.8 | 100   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.275 | -0.7  | 101   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.413 | 4.0   | 103   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.749 | -4.4  | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.074 | -2.7  | 102   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.947 | 0.1   | 100   | 0.00     |
| 68   | Atrazine                   | 40.000 | 44.077 | -10.2 | 104   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.632 | -1.6  | 103   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.386 | -3.5  | 103   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.487 | -1.2  | 101   | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.082 | -2.7  | 99    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.958 | -4.9  | 100   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 41.082 | -2.7  | 103   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 76   | Benzidine                  | 40.000 | 37.367 | 6.6   | 94    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.343 | -3.4  | 106   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 80.585 | -0.7  | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.767 | -6.9  | 102   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.301 | 1.7   | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.761 | 0.6   | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.901 | 0.2   | 106   | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.165 | -2.9  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.959 | -4.9  | 100   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.665 | 0.8   | 100   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.674 | 0.8   | 102   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.796 | -2.0 | 100   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.936 | -2.3 | 100   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.928 | 0.2  | 98    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.023 | -0.1 | 100   | 0.00     |

(#) = Out of Range

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