

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\  
 Data File : BF089605.D  
 Acq On : 5 Aug 2016 00:45  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 05 02:06:52 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 01:39:23 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.517 | 11.2 | 103   | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.518 | 3.7  | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.617 | 8.5  | 90    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.398 | 2.0  | 99    | 0.00     |
| 6    | Aniline                     | 40.000 | 40.339 | -0.8 | 99    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.590 | 3.0  | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.201 | 2.0  | 99    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.319 | -5.8 | 98    | 0.00     |
| 10 C | Phenol                      | 40.000 | 34.597 | 13.5 | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.078 | 4.8  | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.215 | 4.5  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.327 | 4.2  | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 36.659 | 8.4  | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.899 | 5.3  | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.220 | 7.0  | 98    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.639 | 3.4  | 98    | -0.01    |
| 18   | Hexachloroethane            | 40.000 | 37.014 | 7.5  | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.573 | 3.6  | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.402 | 1.5  | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 40.000 | 42.914 | -7.3 | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.743 | 0.3  | 97    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.254 | -3.1 | 98    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.254 | 4.4  | 99    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.825 | 0.4  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.270 | -3.2 | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.151 | -0.4 | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.296 | 1.8  | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.980 | 2.6  | 97    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.927 | 2.7  | 101   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 37.073 | 7.3  | 91    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.797 | 0.5  | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.021 | 2.4  | 101   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.229 | -0.6 | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.386 | -1.0 | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.277 | 4.3  | 98    | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.148 | 2.1  | 97    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 42.052 | -5.1 | 99    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 80.208 | -0.3 | 94    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 39.952 | 0.1  | 96    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.424 | 1.4  | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 76.155 | 4.8  | 99    | 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 | 38.982 | 2.5   | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.211 | 2.0   | 99    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.000 | 2.5   | 96    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.375 | 4.1   | 98    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.430 | 3.9   | 97    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.799 | -2.0  | 94    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.645 | 3.4   | 98    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 37.941 | 5.1   | 92    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.082 | 9.8   | 87    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.025 | 2.4   | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 31.880 | 20.3  | 77    | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 38.142 | 4.6   | 93    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.065 | 4.8   | 97    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.867 | 7.8   | 91    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.884 | 5.3   | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.901 | 2.7   | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.408 | 1.5   | 92    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.054 | -0.1  | 96    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 94    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.045 | 4.9   | 92    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.014 | 2.5   | 95    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.746 | -1.9  | 95    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.204 | 4.5   | 97    | 0.00     |
| 68   | Atrazine                   | 40.000 | 43.135 | -7.8  | 95    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.403 | -6.0  | 89    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.092 | 4.8   | 93    | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.352 | 6.6   | 94    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.327 | 4.2   | 90    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 38.197 | 4.5   | 91    | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 37.013 | 7.5   | 89    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 80    | 0.00     |
| 76   | Benzidine                  | 40.000 | 44.188 | -10.5 | 83    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.564 | 1.1   | 86    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 79.636 | 0.5   | 88    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.677 | 0.8   | 79    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.900 | 2.8   | 82    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.264 | -3.2  | 81    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.886 | 5.3   | 79    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.930 | 2.7   | 80    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.723 | 3.2   | 76    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.798 | -9.5  | 98    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.818 | 5.5   | 85    | -0.01    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.086 | 7.3  | 83    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.604 | 3.5  | 88    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.092 | -5.2 | 99    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 42.954 | -7.4 | 100   | 0.00     |

(#) = Out of Range

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