

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031715\  
 Data File : BF077788.D  
 Acq On : 17 Mar 2015 23:06  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 18 03:42:17 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 00:52:09 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   | 115   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 34.732 | 13.2  | 100   | -0.01    |
| 3    | Pyridine                     | 40.000 | 33.672 | 15.8  | 100   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.185 | 14.5  | 92    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.941 | 2.6   | 116   | -0.02    |
| 6    | Aniline                      | 40.000 | 39.752 | 0.6   | 118   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 78.163 | 2.3   | 114   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 38.392 | 4.0   | 116   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 44.233 | -10.6 | 129   | -0.01    |
| 10 C | Phenol                       | 40.000 | 38.358 | 4.1   | 115   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.332 | -0.8  | 118   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.209 | 2.0   | 118   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.084 | 4.8   | 116   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.023 | 4.9   | 115   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 38.162 | 4.6   | 112   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.740 | 0.6   | 118   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 37.941 | 5.1   | 110   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.371 | 1.6   | 121   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.519 | 8.7   | 109   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.899 | 5.3   | 114   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 117   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 39.104 | 2.2   | 116   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.961 | -2.5  | 124   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.468 | -1.2  | 125   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.171 | 2.1   | 115   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.716 | 0.7   | 110   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.294 | 4.3   | 112   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.573 | 1.1   | 119   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 37.802 | 5.5   | 110   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.619 | 6.0   | 111   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 38.385 | 4.0   | 114   | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 31.649 | 20.9  | 95    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.895 | 2.8   | 112   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.122 | 4.7   | 114   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 40.825 | -2.1  | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.872 | 5.3   | 114   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.550 | 6.1   | 109   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.745 | 8.1   | 105   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.954 | 10.1  | 105   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 72.292 | 9.6   | 101   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.852 | 5.4   | 103   | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.312 | 4.2   | 110   | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.400 | 2.0   | 116   | 0.00     |

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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) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 37.423 | 6.4  | 105   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.552 | 1.1  | 115   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 38.252 | 4.4  | 102   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 37.366 | 6.6  | 109   | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 38.418 | 4.0  | 112   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.052 | -2.6 | 116   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.152 | 7.1  | 106   | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 37.130 | 7.2  | 103   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 35.390 | 11.5 | 104   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.539 | 6.2  | 107   | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 37.307 | 6.7  | 99    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.746 | -1.9 | 115   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.039 | 7.4  | 105   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.671 | 3.3  | 109   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 36.424 | 8.9  | 104   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 35.972 | 10.1 | 104   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 38.084 | 4.8  | 107   | -0.01    |
| 62   | Azobenzene                 | 40.000 | 36.963 | 7.6  | 97    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 112   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.696 | 8.3  | 106   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.002 | 2.5  | 107   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.626 | 3.4  | 106   | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 38.465 | 3.8  | 107   | -0.01    |
| 68   | Atrazine                   | 40.000 | 36.691 | 8.3  | 98    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 36.903 | 7.7  | 106   | -0.01    |
| 70   | Phenanthrene               | 40.000 | 38.737 | 3.2  | 108   | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.016 | -0.0 | 115   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.602 | 1.0  | 115   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.377 | 4.1  | 108   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 37.414 | 6.5  | 99    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.249 | 4.4  | 101   | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.099 | 2.3  | 99    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 73.026 | 8.7  | 95    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 38.157 | 4.6  | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.069 | 2.3  | 111   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.406 | 4.0  | 111   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.541 | 1.1  | 109   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.535 | 11.2 | 99    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 35.179 | 12.1 | 99    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.562 | 1.1  | 117   | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 114   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.321 | 6.7  | 107   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.334 | 1.7  | 118   | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.803 | 0.5  | 115   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.082 | 4.8  | 111   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.571 | 3.6  | 111   | -0.01    |

(#) = Out of Range

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