

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092515\  
 Data File : BF081800.D  
 Acq On : 25 Sep 2015 13:36  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 26 00:42:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:02:49 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    | 104   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 32.903 | 17.7   | 90    | -0.02    |
| 3    | Pyridine                     | 40.000 | 33.655 | 15.9   | 93    | -0.03    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 32.632 | 18.4   | 89    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 66.716 | 16.6   | 87    | -0.01    |
| 6    | Aniline                      | 40.000 | 33.677 | 15.8   | 93    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 72.428 | 9.5    | 97    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.614 | 6.0    | 102   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 32.876 | 17.8   | 92    | -0.01    |
| 10 C | Phenol                       | 40.000 | 40.031 | -0.1   | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.546 | 3.6    | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 36.593 | 8.5    | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 34.655 | 13.4   | 90    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.180 | 7.1    | 111   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 33.107 | 17.2   | 93    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 32.319 | 19.2   | 84    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 34.639 | 13.4   | 93    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 38.703 | 3.2    | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 32.872 | 17.8   | 85    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 32.689 | 18.3   | 92    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 98    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 36.827 | 7.9    | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.684 | -5.9   | 109   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 35.822 | 10.4   | 86    | -0.01    |
| 25   | Isophorone                   | 40.000 | 36.851 | 7.9    | 96    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 55.349 | -38.4# | 144   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.523 | 1.2    | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.657 | 3.4    | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.547 | 1.1    | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.038 | 9.9    | 91    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 39.272 | 1.8    | 102   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 17.353 | 56.6#  | 66    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 41.285 | -3.2   | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.409 | 4.0    | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.608 | 1.0    | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 36.090 | 9.8    | 102   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.301 | 6.7    | 110   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 98    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 34.478 | 13.8   | 90    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 46.363 | -15.9  | 114   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.421 | -6.8   | 106   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.007 | -7.5   | 110   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.923 | 2.7    | 103   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.138 | 1.1    | 110   | 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 | 40.074 | -0.2  | 100   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.128 | 2.2   | 105   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.302 | -3.3  | 117   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 34.116 | 14.7  | 92    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 36.542 | 8.6   | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.208 | 2.0   | 94    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 33.438 | 16.4  | 92    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 40.001 | -0.0  | 102   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 45.404 | -13.5 | 122   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 33.874 | 15.3  | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 47.529 | -18.8 | 103   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.452 | -11.1 | 106   | -0.01    |
| 57   | Fluorene                   | 40.000 | 33.743 | 15.6  | 97    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.735 | -1.8  | 101   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.359 | 6.6   | 105   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.308 | 4.2   | 99    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 46.509 | -16.3 | 108   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.212 | 9.5   | 92    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 49.558 | -23.9 | 141   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.520 | 8.7   | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.394 | 6.5   | 97    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.085 | -2.7  | 106   | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.438 | 3.9   | 98    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 33.904 | 15.2  | 92    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 35.488 | 11.3  | 98    | -0.01    |
| 71   | Anthracene                 | 40.000 | 37.152 | 7.1   | 104   | 0.00     |
| 72   | Carbazole                  | 40.000 | 36.483 | 8.8   | 102   | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 35.833 | 10.4  | 103   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.413 | 9.0   | 107   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 108   | 0.01     |
| 76   | Benzidine                  | 40.000 | 32.893 | 17.8  | 99    | 0.00     |
| 77   | Pyrene                     | 40.000 | 34.816 | 13.0  | 111   | 0.01     |
| 78 S | Terphenyl-d14              | 80.000 | 62.437 | 22.0  | 103   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.509 | -1.3  | 120   | 0.01     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.966 | 7.6   | 116   | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.409 | -8.5  | 128   | 0.01     |
| 82   | Chrysene                   | 40.000 | 37.905 | 5.2   | 117   | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.942 | -2.4  | 115   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 46.049 | -15.1 | 130   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.340 | 6.6   | 116   | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 124   | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.426 | -6.1  | 135   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 31.816 | 20.5 | 110   | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.861 | 5.3  | 124   | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 34.251 | 14.4 | 116   | 0.02     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 33.665 | 15.8 | 114   | 0.02     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1