

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073115\  
 Data File : BF080739.D  
 Acq On : 31 Jul 2015 17:46  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 01 01:41:33 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF073015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 31 01:45:22 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.559 | 3.6   | 103   | 0.01     |
| 3    | Pyridine                     | 40.000 | 40.531 | -1.3  | 100   | 0.01     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.424 | -3.6  | 103   | 0.01     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.470 | 1.9   | 106   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.798 | 3.0   | 99    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.796 | -2.2  | 100   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.699 | 5.8   | 99    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.161 | 7.1   | 97    | -0.01    |
| 10 C | Phenol                       | 40.000 | 42.933 | -7.3  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.202 | 9.5   | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.228 | -0.6  | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.069 | -5.2  | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.229 | 6.9   | 102   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 34.351 | 14.1  | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.497 | 1.3   | 105   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.740 | 3.1   | 102   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.175 | 2.1   | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.564 | 3.6   | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.902 | 0.2   | 100   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 99    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 37.153 | 7.1   | 104   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.902 | -3.6  | 103   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 35.086 | 12.3  | 102   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.679 | 3.3   | 102   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.128 | -10.3 | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.281 | -0.7  | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.435 | -1.1  | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.346 | 1.6   | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.828 | 5.4   | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 35.818 | 10.5  | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.612 | 8.5   | 95    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.448 | 3.9   | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.991 | 0.0   | 105   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.554 | -3.9  | 105   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.851 | -7.1  | 117   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.388 | -1.0  | 102   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 33.807 | 15.5  | 101   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.862 | 7.8   | 99    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 79.100 | 1.1   | 99    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 34.839 | 12.9  | 92    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.477 | -1.2  | 108   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.296 | 3.4   | 107   | 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 | 35.124 | 12.2  | 100   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.463 | 8.8   | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.612 | 1.0   | 103   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.608 | 1.0   | 104   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.632 | 5.9   | 104   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.852 | 5.4   | 102   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.728 | 0.7   | 104   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 39.262 | 1.8   | 104   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.221 | 9.4   | 102   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.644 | 3.4   | 103   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.119 | 7.2   | 94    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.427 | -1.1  | 106   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.945 | 5.1   | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.850 | 0.4   | 100   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.736 | 3.2   | 108   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.078 | -2.7  | 112   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 34.584 | 13.5  | 94    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.529 | -3.8  | 118   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.734 | 8.2   | 101   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.915 | 10.2  | 100   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.246 | -5.6  | 107   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 35.339 | 11.7  | 101   | 0.00     |
| 68   | Atrazine                   | 40.000 | 37.745 | 5.6   | 97    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.953 | 0.1   | 102   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 34.665 | 13.3  | 98    | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.325 | -3.3  | 108   | 0.00     |
| 72   | Carbazole                  | 40.000 | 34.910 | 12.7  | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.897 | -4.7  | 108   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.279 | -0.7  | 104   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 76   | Benzidine                  | 40.000 | 37.875 | 5.3   | 91    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.130 | -2.8  | 100   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 81.869 | -2.3  | 101   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.793 | 5.5   | 101   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.623 | 5.9   | 99    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.169 | 7.1   | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.914 | 5.2   | 96    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.015 | -7.5  | 105   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.211 | -8.0  | 107   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 45.222 | -13.1 | 125   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.783 | 8.0   | 105   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.942 | 10.1  | 96    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.497 | 3.8   | 106   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 45.399 | -13.5 | 122   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 46.704 | -16.8 | 126   | 0.01     |

(#) = Out of Range

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