

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090815\  
 Data File : BF081538.D  
 Acq On : 8 Sep 2015 23:28  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 09 02:17:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 08 15:49:53 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   | 97    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 44.214 | -10.5 | 108   | 0.01     |
| 3    | Pyridine                     | 40.000 | 32.434 | 18.9  | 68    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.953 | -7.4  | 98    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.103 | 1.1   | 100   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.291 | -3.2  | 100   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.731 | -0.9  | 96    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.145 | 2.1   | 95    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.144 | 2.1   | 94    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.671 | -4.2  | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.383 | -1.0  | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.490 | -1.2  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.671 | -1.7  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.813 | 8.0   | 91    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.114 | 4.7   | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.162 | -2.9  | 104   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.711 | -6.8  | 102   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.883 | 5.3   | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.945 | -9.9  | 111   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.677 | -1.7  | 99    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.820 | 2.9   | 91    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.542 | -6.9  | 101   | 0.01     |
| 24   | Nitrobenzene                 | 40.000 | 41.425 | -3.6  | 96    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.088 | -5.2  | 103   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.691 | -6.7  | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.963 | -4.9  | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.206 | 2.0   | 84    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.846 | -7.1  | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.387 | -8.5  | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.501 | 3.7   | 93    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 27.908 | 30.2# | 61    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.156 | 4.6   | 81    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.402 | -6.0  | 107   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.565 | -1.4  | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.409 | -3.5  | 100   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 43.188 | -8.0  | 112   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.046 | 4.9   | 91    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 10.536 | 73.7# | 25    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 70.005 | 12.5  | 82    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.041 | 2.4   | 97    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.908 | -4.8  | 100   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 71.216 | 11.0  | 83    | 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 | 41.356 | -3.4  | 113   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.937 | 5.2   | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 46.953 | -17.4 | 111   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.903 | 0.2   | 107   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 41.333 | -3.3  | 105   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 35.658 | 10.9  | 82    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.937 | -2.3  | 112   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 45.347 | -13.4 | 109   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 7.444  | 81.4# | 17    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.044 | 4.9   | 101   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 35.366 | 11.6  | 74    | -0.05    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 34.645 | 13.4  | 84    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.046 | 4.9   | 88    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.308 | -0.8  | 102   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 42.721 | -6.8  | 104   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.051 | -2.6  | 105   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.761 | -6.9  | 111   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.666 | 5.8   | 87    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 10.144 | 74.6# | 21    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.751 | 10.6  | 84    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.554 | -3.9  | 110   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.324 | 4.2   | 97    | 0.00     |
| 68   | Atrazine                   | 40.000 | 33.652 | 15.9  | 82    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.443 | -6.1  | 112   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.314 | -3.3  | 95    | 0.00     |
| 71   | Anthracene                 | 40.000 | 33.428 | 16.4  | 81    | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.448 | 1.4   | 99    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 46.044 | -15.1 | 116   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 31.526 | 21.2# | 80    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 73    | 0.00     |
| 76   | Benzidine                  | 40.000 | 34.063 | 14.8  | 71    | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.113 | -5.3  | 80    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.988 | 6.3   | 83    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 44.623 | -11.6 | 90    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.983 | 5.0   | 72    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.621 | 5.9   | 79    | 0.00     |
| 82   | Chrysene                   | 40.000 | 33.965 | 15.1  | 79    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.664 | -4.2  | 88    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.764 | -1.9  | 84    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.499 | -16.2 | 94    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.735 | -1.8  | 77    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.463 | 8.8  | 102   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.720 | 5.7  | 92    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.560 | -1.4 | 93    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 37.449 | 6.4  | 88    | 0.01     |

(#) = Out of Range

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