

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\  
 Data File : BF093545.D  
 Acq On : 11 Mar 2017 2:10  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 11 03:46:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 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   | 89    | 0.02     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.178 | -5.4  | 91    | 0.03     |
| 3    | Pyridine                     | 40.000 | 42.633 | -6.6  | 87    | 0.05     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.991 | -5.0  | 99    | 0.05     |
| 5 S  | 2-Fluorophenol               | 80.000 | 89.973 | -12.5 | 100   | 0.02     |
| 6    | Aniline                      | 40.000 | 38.193 | 4.5   | 91    | 0.02     |
| 7 S  | Phenol-d6                    | 80.000 | 81.746 | -2.2  | 95    | 0.03     |
| 8    | 2-Chlorophenol               | 40.000 | 39.759 | 0.6   | 90    | 0.03     |
| 9    | Benzaldehyde                 | 40.000 | 37.583 | 6.0   | 87    | 0.02     |
| 10 C | Phenol                       | 40.000 | 41.648 | -4.1  | 102   | 0.02     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.885 | 0.3   | 93    | 0.02     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.247 | -0.6  | 94    | 0.02     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.010 | -0.0  | 93    | 0.02     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.616 | 1.0   | 90    | 0.02     |
| 15   | Benzyl Alcohol               | 40.000 | 39.216 | 2.0   | 94    | 0.02     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.249 | -5.6  | 95    | 0.01     |
| 17   | 2-Methylphenol               | 40.000 | 39.160 | 2.1   | 91    | 0.02     |
| 18   | Hexachloroethane             | 40.000 | 42.300 | -5.7  | 97    | 0.02     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.151 | -2.9  | 102   | 0.02     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.605 | -9.0  | 98    | 0.02     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 86    | 0.01     |
| 22   | Acetophenone                 | 40.000 | 41.657 | -4.1  | 93    | 0.02     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.464 | -0.6  | 89    | 0.01     |
| 24   | Nitrobenzene                 | 40.000 | 44.773 | -11.9 | 94    | 0.02     |
| 25   | Isophorone                   | 40.000 | 41.363 | -3.4  | 92    | 0.02     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.892 | 0.3   | 82    | 0.02     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.388 | -1.0  | 81    | 0.02     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.214 | 2.0   | 89    | 0.01     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.881 | -7.2  | 93    | 0.02     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.286 | -0.7  | 87    | 0.02     |
| 31   | Naphthalene                  | 40.000 | 38.832 | 2.9   | 88    | 0.01     |
| 32   | Benzoic acid                 | 40.000 | 30.782 | 23.0  | 70    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.912 | 0.2   | 86    | 0.02     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.944 | -4.9  | 94    | 0.02     |
| 35   | Caprolactam                  | 40.000 | 41.772 | -4.4  | 87    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.206 | 2.0   | 84    | 0.02     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.512 | -1.3  | 88    | 0.02     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 87    | 0.01     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.739 | -4.3  | 83    | 0.01     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 46.085 | -15.2 | 111   | 0.01     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.227 | -6.5  | 86    | 0.02     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.037 | -10.1 | 88    | 0.01     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.642 | -4.1  | 79    | 0.02     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.129 | -0.2  | 80    | 0.01     |

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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 | 41.911 | -4.8   | 87    | 0.01     |
| 46   | 2-Chloronaphthalene        | 40.000 | 43.289 | -8.2   | 82    | 0.01     |
| 47   | 2-Nitroaniline             | 40.000 | 45.280 | -13.2  | 89    | 0.01     |
| 48   | Acenaphthylene             | 40.000 | 40.904 | -2.3   | 81    | 0.01     |
| 49   | Dimethylphthalate          | 40.000 | 42.607 | -6.5   | 90    | 0.01     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.702 | 3.2    | 86    | 0.01     |
| 51 C | Acenaphthene               | 40.000 | 39.598 | 1.0    | 78    | 0.01     |
| 52   | 3-Nitroaniline             | 40.000 | 43.750 | -9.4   | 98    | 0.02     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 4.744  | 88.1#  | 8     | 0.05     |
| 54   | Dibenzofuran               | 40.000 | 45.596 | -14.0  | 87    | 0.01     |
| 55 P | 4-Nitrophenol              | 40.000 | 15.390 | 61.5#  | 28    | 0.03     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.805 | -12.0  | 98    | 0.01     |
| 57   | Fluorene                   | 40.000 | 43.031 | -7.6   | 80    | 0.01     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.482 | -11.2  | 81    | 0.02     |
| 59   | Diethylphthalate           | 40.000 | 44.437 | -11.1  | 90    | 0.02     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 47.141 | -17.9  | 87    | 0.02     |
| 61   | 4-Nitroaniline             | 40.000 | 42.320 | -5.8   | 93    | 0.02     |
| 62   | Azobenzene                 | 40.000 | 46.957 | -17.4  | 97    | 0.02     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 91    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 25.018 | 37.5#  | 56    | 0.02     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.877 | 2.8    | 85    | 0.02     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.555 | 6.1    | 87    | 0.01     |
| 67   | Hexachlorobenzene          | 40.000 | 38.493 | 3.8    | 84    | 0.02     |
| 68   | Atrazine                   | 40.000 | 40.082 | -0.2   | 90    | 0.02     |
| 69 C | Pentachlorophenol          | 40.000 | 54.283 | -35.7# | 120   | 0.02     |
| 70   | Phenanthrene               | 40.000 | 38.309 | 4.2    | 88    | 0.02     |
| 71   | Anthracene                 | 40.000 | 38.776 | 3.1    | 96    | 0.02     |
| 72   | Carbazole                  | 40.000 | 40.186 | -0.5   | 96    | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 37.953 | 5.1    | 90    | 0.01     |
| 74 C | Fluoranthene               | 40.000 | 39.840 | 0.4    | 92    | 0.01     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 87    | 0.02     |
| 76   | Benzidine                  | 40.000 | 24.937 | 37.7#  | 55    | 0.02     |
| 77   | Pyrene                     | 40.000 | 40.078 | -0.2   | 90    | 0.02     |
| 78 S | Terphenyl-d14              | 80.000 | 90.723 | -13.4  | 90    | 0.02     |
| 79   | Butylbenzylphthalate       | 40.000 | 43.947 | -9.9   | 90    | 0.02     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.680 | -1.7   | 88    | 0.03     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.797 | 3.0    | 81    | 0.02     |
| 82   | Chrysene                   | 40.000 | 45.201 | -13.0  | 87    | 0.02     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.137 | -12.8  | 92    | 0.02     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.252 | -0.6   | 84    | 0.02     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.245 | 1.9    | 85    | 0.06     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 79    | 0.02     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.242 | -5.6   | 75    | 0.02     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.084 | 2.3  | 92    | 0.02     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.694 | -1.7 | 80    | 0.03     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.741 | -1.9 | 84    | 0.05     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.598 | -4.0 | 86    | 0.06     |

(#) = Out of Range

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