

Data Path : Z:\HPCHEM1\BNA F\Data\BF041918\  
 Data File : BF104618.D  
 Acq On : 19 Apr 2018 9:21  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 19 14:52:17 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 14:44:03 2018  
 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    | 133   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.237 | -0.6   | 132   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.873 | 0.3    | 132   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.960 | 5.1    | 125   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.942 | 6.3    | 126   | 0.00     |
| 6    | Aniline                      | 40.000 | 37.405 | 6.5    | 123   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.199 | 4.8    | 128   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.479 | 1.3    | 131   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.663 | 8.3    | 122   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.787 | 3.0    | 131   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.165 | 2.1    | 130   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.746 | 3.1    | 130   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.796 | 3.0    | 129   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.499 | 3.8    | 127   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.425 | 8.9    | 122   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.865 | 7.8    | 123   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.703 | 0.7    | 132   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.723 | 0.7    | 133   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 34.388 | 14.0   | 120   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 35.068 | 12.3   | 118   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 133   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 35.928 | 10.2   | 121   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 88.981 | -11.2  | 144   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.999 | -5.0   | 134   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.864 | 2.8    | 130   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 54.503 | -36.3# | 172   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.195 | 7.0    | 122   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.721 | 3.2    | 130   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.386 | 1.5    | 130   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.075 | 2.3    | 131   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.601 | 6.0    | 126   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.468 | 1.3    | 123   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.071 | -0.2   | 134   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.749 | 3.1    | 130   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.436 | -3.6   | 135   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.829 | 0.4    | 132   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.137 | 4.7    | 128   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 130   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.333 | -0.8   | 134   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.409 | 11.5   | 113   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.389 | -3.0   | 134   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.562 | -1.4   | 129   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.903 | -2.3   | 133   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 72.540 | 9.3    | 120   | 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 | 38.283 | 4.3    | 126   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.850 | 2.9    | 128   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 51.205 | -28.0# | 156   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.495 | 6.3    | 122   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.574 | 1.1    | 131   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 47.512 | -18.8  | 143   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 35.975 | 10.1   | 119   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 48.534 | -21.3  | 147   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 60.290 | -50.7# | 238   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 36.399 | 9.0    | 119   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 44.578 | -11.4  | 134   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.890 | -14.7  | 143   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.333 | 1.7    | 128   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.855 | 0.4    | 130   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.366 | 6.6    | 124   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.021 | -0.1   | 130   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 50.816 | -27.0# | 151   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.210 | 9.5    | 119   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 130   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 54.660 | -36.6# | 192   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.647 | 5.9    | 124   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.746 | 3.1    | 128   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.268 | 1.8    | 130   | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.938 | 2.7    | 129   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.194 | 7.0    | 115   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.522 | 8.7    | 121   | 0.00     |
| 71   | Anthracene                 | 40.000 | 36.740 | 8.1    | 122   | 0.00     |
| 72   | Carbazole                  | 40.000 | 37.604 | 6.0    | 126   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 35.246 | 11.9   | 117   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.875 | 7.8    | 122   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 120   | 0.00     |
| 76   | Benzidine                  | 40.000 | 42.429 | -6.1   | 124   | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.984 | 0.0    | 122   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.735 | 6.6    | 117   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.596 | 1.0    | 119   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 41.613 | -4.0   | 129   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.584 | 1.0    | 116   | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.411 | 4.0    | 117   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.435 | 1.4    | 121   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.244 | 9.4    | 107   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.014 | -0.0   | 126   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 112   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.939 | 0.2    | 112   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.578 | 3.6  | 110   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.329 | 1.7  | 111   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.058 | -5.1 | 122   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 43.364 | -8.4 | 130   | 0.00     |

(#) = Out of Range

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