

Data Path : Z:\HPCHEM1\BNA F\Data\BF012818\  
 Data File : BF102555.D  
 Acq On : 28 Jan 2018 14:13  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 29 03:29:55 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 27 20:48:40 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   | 106   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 45.539 | -13.8 | 119   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.939 | -7.3  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.690 | -1.7  | 103   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.442 | -1.8  | 106   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.351 | 1.6   | 103   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.275 | -0.3  | 106   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.792 | 0.5   | 103   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.448 | -1.1  | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.857 | 2.9   | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.951 | -2.4  | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.072 | 2.3   | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.218 | 2.0   | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.702 | 0.7   | 103   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.920 | 5.2   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.663 | 3.3   | 99    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.565 | 3.6   | 99    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.075 | -0.2  | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.522 | 3.7   | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.523 | -3.8  | 105   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.248 | 4.4   | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.770 | 2.8   | 102   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.371 | 1.6   | 102   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.454 | 1.4   | 104   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.058 | -0.1  | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.139 | 2.2   | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.013 | 2.5   | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.786 | 3.0   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.694 | 5.8   | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.447 | 3.9   | 103   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 31.535 | 21.2  | 82    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.564 | 1.1   | 104   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.754 | 5.6   | 98    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.462 | -1.2  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.456 | 1.4   | 103   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.153 | 4.6   | 102   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.575 | 3.6   | 101   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 37.800 | 5.5   | 93    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 69.585 | 13.0  | 92    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 36.504 | 8.7   | 95    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 36.538 | 8.7   | 94    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.043 | 6.2   | 98    | 0.00     |

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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 | 37.972 | 5.1  | 101   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.735 | 5.7  | 99    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.865 | -2.2 | 107   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.642 | 5.9  | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.134 | 4.7  | 101   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.322 | 4.2  | 98    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.750 | 5.6  | 101   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.953 | -2.4 | 107   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.052 | 2.4  | 99    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.904 | 2.7  | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.227 | -5.6 | 104   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.093 | 7.3  | 95    | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.211 | -0.5 | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.715 | 8.2  | 97    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.047 | 7.4  | 98    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.355 | 1.6  | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 38.378 | 4.1  | 100   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.963 | 2.6  | 102   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.200 | 7.0  | 95    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.129 | 7.2  | 102   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.035 | 7.4  | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 34.619 | 13.5 | 93    | 0.00     |
| 68   | Atrazine                   | 40.000 | 36.921 | 7.7  | 100   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.484 | 1.3  | 98    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.729 | 8.2  | 101   | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.705 | 5.7  | 103   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.841 | 2.9  | 106   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 37.529 | 6.2  | 101   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 37.386 | 6.5  | 102   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.198 | 2.0  | 114   | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.962 | 5.1  | 102   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 71.588 | 10.5 | 100   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.062 | 2.3  | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.106 | -0.3 | 111   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.701 | 0.7  | 106   | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.643 | 3.4  | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.743 | 0.6  | 105   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.626 | 3.4  | 103   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.457 | 1.4  | 115   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.242 | 6.9  | 105   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.937 | 5.2  | 113   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.300 | 4.3  | 110   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.175 | 7.1  | 112   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.486 | 3.8  | 117   | 0.00     |

(#) = Out of Range

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