

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF091117\  
 Data File : BF098412.D  
 Acq On : 11 Sep 2017 19:57  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 12 02:04:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 11 19:42:20 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.352 | -0.9 | 98    | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.323 | -3.3 | 98    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.011 | -2.5 | 96    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.226 | -1.5 | 98    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.315 | 1.7  | 100   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.284 | 0.9  | 100   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.162 | -0.4 | 99    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.657 | 0.9  | 98    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.350 | 1.6  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.129 | -0.3 | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.773 | 0.6  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.765 | 0.6  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.337 | 1.7  | 99    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.839 | 2.9  | 100   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.120 | 2.2  | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.030 | -0.1 | 99    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.330 | -0.8 | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.989 | 2.5  | 100   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.734 | 0.7  | 100   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.459 | 3.9  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.431 | 2.0  | 98    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.335 | 1.7  | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.753 | 3.1  | 98    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.437 | -6.1 | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.870 | 2.8  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.165 | 2.1  | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.499 | -1.2 | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.130 | 2.2  | 99    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.557 | 3.6  | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.618 | 3.5  | 97    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.459 | 1.4  | 98    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.710 | 0.7  | 100   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.280 | -0.7 | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.774 | 0.6  | 99    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.901 | 2.7  | 99    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.163 | 2.1  | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.781 | 0.5  | 102   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 86.792 | -8.5 | 104   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.209 | -3.0 | 98    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.435 | -1.1 | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.690 | 0.4  | 99    | 0.00     |

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|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 38.895 | 2.8  | 99    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.996 | 2.5  | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.149 | -2.9 | 100   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.843 | 2.9  | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.815 | 3.0  | 99    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.228 | -5.6 | 101   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.964 | 2.6  | 101   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.211 | -3.0 | 100   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.179 | 4.6  | 99    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.296 | 4.3  | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.693 | -1.7 | 98    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.746 | -1.9 | 101   | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.559 | 3.6  | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.843 | -4.6 | 99    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.520 | 3.7  | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.379 | 4.1  | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.511 | -1.3 | 100   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.297 | 4.3  | 97    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.939 | 0.2  | 102   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.030 | 2.4  | 100   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.994 | 0.0  | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 40.112 | -0.3 | 102   | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.520 | 3.7  | 98    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.544 | 1.1  | 99    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.851 | 2.9  | 101   | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.941 | 2.6  | 100   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.335 | 4.2  | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.721 | 0.7  | 100   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.826 | 2.9  | 100   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.249 | 1.9  | 96    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.544 | 1.1  | 99    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 79.272 | 0.9  | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.008 | -5.0 | 99    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.370 | 1.6  | 101   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.575 | -3.9 | 100   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.413 | 1.5  | 98    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.485 | -1.2 | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.826 | -4.6 | 97    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.922 | 7.7  | 96    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.485 | 3.8  | 97    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.186 | -3.0 | 97    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.052 | -0.1 | 97    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.141 | 4.6  | 97    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 36.924 | 7.7  | 96    | 0.00     |

(#) = Out of Range

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