

Data Path : U:\HPCHEM1\BNA F\Data\BF012618\  
 Data File : BF102489.D  
 Acq On : 27 Jan 2018 1:27  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 27 03:55:29 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 26 16:18:07 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    | 111   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.032 | -0.1   | 109   | -0.03    |
| 3    | Pyridine                     | 40.000 | 41.566 | -3.9   | 110   | -0.03    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.202 | -3.0   | 109   | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.001 | 1.2    | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.732 | -4.3   | 114   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.205 | 4.7    | 104   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.517 | 3.7    | 103   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 43.849 | -9.6   | 115   | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.975 | 7.6    | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.109 | -2.8   | 110   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.760 | 3.1    | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.351 | 1.6    | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.010 | 2.5    | 106   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.142 | 9.6    | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.502 | 1.2    | 106   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.759 | 5.6    | 101   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 20.336 | 49.2#  | 55    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.551 | 1.1    | 108   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.984 | 0.0    | 105   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 105   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.211 | -0.5   | 108   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 71.973 | 10.0   | 94    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 36.565 | 8.6    | 94    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.294 | 1.8    | 103   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 8.669  | 78.3#  | 22    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.330 | 1.7    | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.866 | -2.2   | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 34.386 | 14.0   | 89    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.221 | 4.4    | 101   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.627 | 3.4    | 102   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 6.558  | 83.6#  | 17    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 38.713 | 3.2    | 101   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.258 | 4.4    | 99    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 34.781 | 13.0   | 89    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 32.351 | 19.1   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.987 | 7.5    | 98    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 92    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.967 | -2.4   | 94    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 0.000  | 100.0# | 0     | -8.86#   |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 48.006 | 40.0#  | 56    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 31.438 | 21.4#  | 72    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 29.960 | 25.1#  | 68    | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.490 | -4.4   | 96    | 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 | 40.431 | -1.1   | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.149 | 2.1    | 90    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 34.493 | 13.8   | 80    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.526 | 3.7    | 90    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.873 | -2.2   | 96    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 20.711 | 48.2#  | 47    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.611 | 6.0    | 88    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.115 | 4.7    | 87    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 0.000  | 100.0# | 0     | -9.83#   |
| 54   | Dibenzofuran               | 40.000 | 39.589 | 1.0    | 89    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 12.708 | 68.2#  | 27    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 15.347 | 61.6#  | 35    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.426 | 6.4    | 86    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 26.768 | 33.1#  | 62    | 0.01     |
| 59   | Diethylphthalate           | 40.000 | 39.951 | 0.1    | 93    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.104 | -0.3   | 91    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 35.710 | 10.7   | 81    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.788 | 8.0    | 85    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 77    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 2.537  | 93.7#  | 5     | -0.28    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 43.976 | -9.9   | 85    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.185 | -5.5   | 80    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 36.883 | 7.8    | 70    | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.944 | 2.6    | 75    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 17.038 | 57.4#  | 30    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.594 | 3.5    | 75    | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.765 | 3.1    | 76    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.957 | 2.6    | 76    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 42.387 | -6.0   | 81    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.053 | 4.9    | 74    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 76    | 0.01     |
| 76   | Benzidine                  | 40.000 | 44.501 | -11.3  | 90    | 0.01     |
| 77   | Pyrene                     | 40.000 | 39.298 | 1.8    | 74    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.361 | 3.3    | 75    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.470 | -1.2   | 75    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.066 | -0.2   | 77    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.654 | -6.6   | 80    | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.293 | 4.3    | 73    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.113 | -7.8   | 80    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.134 | -5.3   | 79    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 29.901 | 25.2#  | 61    | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 60    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.088 | -0.2   | 58    | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.389 | -6.0 | 65    | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.387 | 1.5  | 58    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.602 | 1.0  | 62    | 0.02     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.227 | 1.9  | 62    | 0.02     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 3