

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF100418\  
 Data File : BF109582.D  
 Acq On : 4 Oct 2018 13:15  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 04 14:38:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 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    | 84    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.319 | 4.2    | 81    | 0.00     |
| 3    | Pyridine                     | 40.000 | 34.714 | 13.2   | 70    | 0.02     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 32.140 | 19.6   | 67    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.511 | 1.9    | 85    | 0.00     |
| 6    | Aniline                      | 40.000 | 37.940 | 5.2    | 81    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 79.405 | 0.7    | 86    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.872 | -2.2   | 88    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.771 | 10.6   | 78    | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.288 | 4.3    | 83    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.709 | -4.3   | 91    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.526 | 1.2    | 85    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.901 | -4.8   | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.663 | 0.8    | 85    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 38.167 | 4.6    | 81    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.610 | 8.5    | 80    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 39.455 | 1.4    | 86    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.913 | -4.8   | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.119 | 4.7    | 83    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.434 | -1.1   | 89    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 90    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.065 | 2.3    | 90    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.138 | -3.9   | 91    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 40.275 | -0.7   | 90    | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.009 | 7.5    | 84    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 49.100 | -22.8# | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.528 | 6.2    | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.367 | 4.1    | 88    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.986 | -2.5   | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.492 | 1.3    | 90    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.221 | 4.4    | 87    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 35.712 | 10.7   | 81    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 39.596 | 1.0    | 91    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.019 | -0.0   | 90    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 37.938 | 5.2    | 83    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.768 | -1.9   | 91    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.739 | 3.2    | 89    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 91    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.523 | -1.3   | 93    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 32.227 | 19.4   | 70    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 86.276 | -7.8   | 96    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.451 | 3.9    | 85    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.691 | -6.7   | 94    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.840 | -2.3   | 94    | -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 | 39.369 | 1.6   | 90    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.387 | 1.5   | 92    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 42.609 | -6.5  | 93    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.665 | 3.3   | 89    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 39.128 | 2.2   | 91    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.571 | -8.9  | 92    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 36.362 | 9.1   | 84    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 43.648 | -9.1  | 93    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.983 | -2.5  | 98    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.273 | 4.3   | 89    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 33.789 | 15.5  | 75    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.563 | -11.4 | 97    | -0.01    |
| 57   | Fluorene                   | 40.000 | 39.383 | 1.5   | 93    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.053 | -7.6  | 95    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.976 | 5.1   | 87    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.508 | 1.2   | 94    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 44.835 | -12.1 | 96    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 36.967 | 7.6   | 85    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 90    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.598 | -11.5 | 106   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.045 | 2.4   | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.511 | 1.2   | 91    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.396 | 1.5   | 91    | 0.00     |
| 68   | Atrazine                   | 40.000 | 37.103 | 7.2   | 84    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 38.636 | 3.4   | 84    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.092 | 4.8   | 88    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.241 | 1.9   | 90    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.179 | 4.6   | 89    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.882 | 2.8   | 89    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 37.451 | 6.4   | 87    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.091 | 4.8   | 79    | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.218 | -0.5  | 86    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 80.816 | -1.0  | 89    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.848 | -4.6  | 87    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 35.499 | 11.3  | 77    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.300 | 1.8   | 81    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.627 | 5.9   | 80    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.433 | -1.1  | 85    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.369 | 4.1   | 78    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.242 | 6.9   | 84    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 74    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.290 | -0.7  | 74    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.562 | 6.1   | 71    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.952 | 2.6   | 73    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.753 | -6.9  | 84    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 44.390 | -11.0 | 89    | 0.00     |

(#) = Out of Range

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