

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF110618\  
 Data File : BF110543.D  
 Acq On : 7 Nov 2018 4:51  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 07 15:05:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 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   | 36    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 43.314 | -8.3  | 40    | -0.02    |
| 3    | Pyridine                     | 40.000 | 42.506 | -6.3  | 37    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.489 | -3.7  | 37    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 88.883 | -11.1 | 40    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.211 | -0.5  | 36    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.520 | -1.9  | 37    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.653 | -4.1  | 37    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.620 | 3.5   | 34    | 0.00     |
| 10 C | Phenol                       | 40.000 | 43.984 | -10.0 | 40    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.688 | 0.8   | 36    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.614 | -4.0  | 38    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.537 | -3.8  | 38    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.720 | -4.3  | 38    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.782 | 8.0   | 32    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.690 | 3.3   | 35    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.716 | 3.2   | 35    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 27.763 | 30.6# | 25    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.438 | 6.4   | 34    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.435 | 3.9   | 35    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 31    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 45.065 | -12.7 | 36    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 86.344 | -7.9  | 33    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 42.648 | -6.6  | 33    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.952 | 0.1   | 31    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 29.178 | 27.1# | 22    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.560 | -1.4  | 32    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.208 | -5.5  | 33    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.988 | 0.0   | 31    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.355 | -3.4  | 32    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.272 | -0.7  | 32    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 22.976 | 42.6# | 17    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 38.644 | 3.4   | 30    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.777 | -11.9 | 36    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 34.842 | 12.9  | 26    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 36.281 | 9.3   | 28    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.083 | 7.3   | 29    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 36.712 | 8.2   | 29    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 25    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 46.091 | -15.2 | 29    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 0.788  | 98.0# | 0     | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 82.727 | -3.4  | 26    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.396 | -6.0  | 26    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.607 | -1.5  | 25    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.   | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|---------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 100.287 | -25.4# | 32    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 45.167  | -12.9  | 29    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 43.624  | -9.1   | 28    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 47.257  | -18.1  | 29    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.510  | -6.3   | 27    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 43.963  | -9.9   | 28    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 32.257  | 19.4   | 19    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.773  | 0.6    | 25    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 49.008  | -22.5  | 30    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 0.000   | 100.0# | 0     | -10.06#  |
| 55   | Dibenzofuran               | 40.000 | 41.909  | -4.8   | 27    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 33.284  | 16.8   | 20    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 28.740  | 28.2#  | 17    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.273  | -5.7   | 27    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.544  | -1.4   | 25    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.607  | -9.0   | 28    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.903  | -4.8   | 27    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 51.789  | -29.5# | 32    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.094  | -0.2   | 26    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000  | 0.0    | 26    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 0.506   | 98.7#  | 0     | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.228  | -3.1   | 27    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.888  | 0.3    | 26    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.909  | 0.2    | 26    | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.045  | 14.9   | 22    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.612  | 16.0   | 20    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.858  | -4.6   | 28    | 0.00     |
| 72   | Anthracene                 | 40.000 | 43.429  | -8.6   | 28    | 0.00     |
| 73   | Carbazole                  | 40.000 | 44.218  | -10.5  | 29    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 44.144  | -10.4  | 28    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.465  | -8.7   | 28    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000  | 0.0    | 24    | 0.00     |
| 77   | Benzidine                  | 40.000 | -20.000 | 150.0# | 45    | 0.00     |
| 78   | Pyrene                     | 40.000 | 47.107  | -17.8  | 28    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 100.375 | -25.5# | 31    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 51.011  | -27.5# | 30    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.687  | -1.7   | 24    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 46.726  | -16.8  | 27    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.634  | -1.6   | 24    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 50.452  | -26.1# | 30    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 48.909  | -22.3# | 29    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.501  | 8.7    | 24    | 0.02     |
| 87 I | Perylene-d12               | 20.000 | 20.000  | 0.0    | 23    | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.260 | -0.6 | 23    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.561 | -3.9 | 24    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.330 | -3.3 | 24    | 0.01     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 42.460 | -6.2 | 25    | 0.02     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.784 | 0.5  | 23    | 0.02     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2