

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF062918\  
 Data File : BF106989.D  
 Acq On : 29 Jun 2018 22:53  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 30 01:06:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 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   | 55    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.407 | 11.5  | 49    | -0.06    |
| 3    | Pyridine                     | 40.000 | 35.029 | 12.4  | 49    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 32.600 | 18.5  | 44    | -0.06    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.589 | 1.8   | 55    | -0.01    |
| 6    | Aniline                      | 40.000 | 37.255 | 6.9   | 52    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 76.108 | 4.9   | 54    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 39.173 | 2.1   | 55    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 34.103 | 14.7  | 50    | -0.01    |
| 10 C | Phenol                       | 40.000 | 37.395 | 6.5   | 53    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.896 | 7.8   | 52    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.354 | 1.6   | 55    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.856 | 0.4   | 56    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.188 | -0.5  | 56    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 37.170 | 7.1   | 51    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.988 | 15.0  | 48    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.907 | 5.2   | 53    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 33.297 | 16.8  | 47    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.136 | 7.2   | 55    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 42.065 | -5.2  | 58    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 53    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.024 | -0.1  | 55    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 74.552 | 6.8   | 52    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 36.672 | 8.3   | 51    | -0.01    |
| 25   | Isophorone                   | 40.000 | 36.018 | 10.0  | 51    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.213 | 2.0   | 52    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.659 | 3.4   | 53    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.738 | 5.7   | 53    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.731 | -1.8  | 55    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.904 | -7.3  | 60    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.423 | 1.4   | 56    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 32.194 | 19.5  | 44    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 38.485 | 3.8   | 54    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.696 | -9.2  | 60    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 38.232 | 4.4   | 52    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.625 | 3.4   | 54    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.285 | -5.7  | 59    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 54    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.808 | -7.0  | 60    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 3.634  | 90.9# | 5     | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 80.911 | -1.1  | 55    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.180 | 7.1   | 53    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.340 | 6.6   | 52    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 90.445 | -13.1 | 60    | -0.02    |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.057 | -5.1  | 60    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.492 | 3.8   | 55    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 34.446 | 13.9  | 47    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 37.361 | 6.6   | 53    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 39.585 | 1.0   | 57    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.681 | -1.7  | 57    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 37.862 | 5.3   | 53    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 36.868 | 7.8   | 51    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 17.813 | 55.5# | 21    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 40.765 | -1.9  | 58    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 23.127 | 42.2# | 31    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 38.767 | 3.1   | 53    | -0.01    |
| 57   | Fluorene                   | 40.000 | 39.954 | 0.1   | 58    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.114 | 9.7   | 50    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 38.573 | 3.6   | 55    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.760 | -4.4  | 59    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 34.055 | 14.9  | 47    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 33.599 | 16.0  | 48    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 51    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 23.929 | 40.2# | 30    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.662 | 0.8   | 53    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.907 | -7.3  | 57    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 42.075 | -5.2  | 56    | -0.01    |
| 68   | Atrazine                   | 40.000 | 40.396 | -1.0  | 53    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 26.716 | 33.2# | 34    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 41.216 | -3.0  | 54    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.703 | -1.8  | 54    | -0.01    |
| 72   | Carbazole                  | 40.000 | 37.872 | 5.3   | 51    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 40.374 | -0.9  | 54    | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 39.146 | 2.1   | 51    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 49    | -0.02    |
| 76   | Benzidine                  | 40.000 | 34.455 | 13.9  | 42    | -0.01    |
| 77   | Pyrene                     | 40.000 | 39.583 | 1.0   | 51    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 89.032 | -11.3 | 56    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.866 | 5.3   | 48    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.178 | 2.1   | 50    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.071 | 2.3   | 49    | -0.02    |
| 82   | Chrysene                   | 40.000 | 40.131 | -0.3  | 52    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.363 | 4.1   | 49    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.908 | -2.3  | 52    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.905 | 0.2   | 54    | -0.05    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 54    | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.961 | 2.6   | 54    | -0.04    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.514 | 3.7  | 53    | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.236 | 4.4  | 52    | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.389 | 4.0  | 55    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 36.359 | 9.1  | 52    | -0.06    |

(#) = Out of Range

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