

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\  
 Data File : BF106295.D  
 Acq On : 11 Jun 2018 15:30  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 00:47:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 11 15:00:22 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   | 98    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.706 | 0.7   | 100   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.172 | -0.4  | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.296 | -3.2  | 101   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.590 | -0.7  | 102   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.659 | -1.6  | 103   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.482 | -1.9  | 104   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.127 | -2.8  | 104   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.074 | -0.2  | 104   | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.248 | -0.6  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.148 | -0.4  | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.233 | -0.6  | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.271 | -0.7  | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.759 | 0.6   | 101   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.545 | -3.9  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.187 | -0.5  | 101   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.259 | -3.1  | 103   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.948 | 0.1   | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.055 | 2.4   | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.882 | -2.2  | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.705 | 3.2   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.564 | -4.5  | 103   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.913 | -2.3  | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.998 | 2.5   | 100   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.221 | -10.6 | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.100 | -2.8  | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.669 | 0.8   | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.524 | -3.8  | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.253 | -0.6  | 101   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.974 | 2.6   | 101   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 33.198 | 17.0  | 84    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.264 | -0.7  | 101   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.449 | 1.4   | 100   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.809 | -7.0  | 107   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.107 | -2.8  | 104   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.571 | 1.1   | 103   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.100 | -0.3  | 102   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.720 | -6.8  | 100   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 90.335 | -12.9 | 106   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.562 | -6.4  | 104   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.146 | -5.4  | 103   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.696 | 0.4   | 100   | 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 | 38.660 | 3.4   | 101   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.792 | 3.0   | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.490 | -13.7 | 106   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.837 | 2.9   | 101   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.203 | 2.0   | 102   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.885 | -9.7  | 105   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.294 | 1.8   | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 44.087 | -10.2 | 107   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.290 | -5.7  | 117   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.214 | 2.0   | 102   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 45.255 | -13.1 | 109   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.768 | -14.4 | 108   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.975 | 5.1   | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.417 | -8.5  | 107   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.163 | 2.1   | 100   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.061 | 2.3   | 102   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.783 | -12.0 | 109   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.251 | 4.4   | 100   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.542 | -8.9  | 114   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.560 | -1.4  | 103   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.407 | -3.5  | 102   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.827 | -4.6  | 104   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.861 | -2.2  | 102   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 46.602 | -16.5 | 107   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.959 | 2.6   | 102   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.228 | 1.9   | 101   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.969 | 0.1   | 103   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.485 | 1.3   | 99    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.648 | 0.9   | 103   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.918 | 2.7   | 100   | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.604 | 3.5   | 102   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 75.084 | 6.1   | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 44.727 | -11.8 | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.430 | 1.4   | 103   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.731 | -6.8  | 105   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.289 | 1.8   | 103   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.963 | -4.9  | 100   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 44.745 | -11.9 | 105   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.504 | -6.3  | 110   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.089 | -0.2  | 107   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.424 | -6.1 | 111   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.741 | -4.4 | 109   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.322 | -5.8 | 108   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.285 | -3.2 | 106   | 0.00     |

(#) = Out of Range

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