

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\  
 Data File : BF111946.D  
 Acq On : 9 Jan 2019 13:00  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 10 02:00:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 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   | 65    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 45.506 | -13.8 | 77    | 0.00     |
| 3    | Pyridine                     | 40.000 | 46.668 | -16.7 | 74    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 44.684 | -11.7 | 74    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.831 | -8.5  | 71    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.992 | -2.5  | 72    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.409 | -1.8  | 72    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.811 | -4.5  | 72    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 46.625 | -16.6 | 75    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.341 | -3.4  | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.635 | 0.9   | 68    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.818 | -2.0  | 71    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.345 | -0.9  | 70    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.710 | 3.2   | 68    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.052 | 2.4   | 68    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.034 | 7.4   | 65    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.507 | 3.7   | 67    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.946 | 5.1   | 65    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.469 | 3.8   | 66    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.755 | 0.6   | 69    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 63    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.426 | -1.1  | 68    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.542 | 0.6   | 66    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.674 | 0.8   | 66    | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.792 | 8.0   | 61    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 37.650 | 5.9   | 61    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.150 | 7.1   | 61    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.948 | 5.1   | 63    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.867 | 2.8   | 64    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.504 | -1.3  | 67    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.520 | 1.2   | 65    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 33.825 | 15.4  | 60    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.158 | 2.1   | 64    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.491 | 3.8   | 63    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.288 | -0.7  | 65    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.588 | 1.0   | 65    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.502 | -6.3  | 65    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 41.482 | -3.7  | 64    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 60    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.636 | 0.9   | 60    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 29.517 | 26.2# | 44    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 78.697 | 1.6   | 63    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.164 | -0.4  | 63    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.025 | -0.1  | 62    | 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 | 79.929 | 0.1   | 65    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.367 | -3.4  | 66    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.302 | -0.8  | 64    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.046 | -2.6  | 64    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.584 | 3.5   | 62    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.842 | 2.9   | 63    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.217 | -0.5  | 63    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.271 | 4.3   | 61    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 37.143 | 7.1   | 59    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 27.788 | 30.5# | 43    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.016 | 5.0   | 61    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.795 | 10.5  | 55    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.108 | 2.2   | 61    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.742 | -6.9  | 68    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.903 | 5.2   | 59    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.876 | -2.2  | 66    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.421 | -6.1  | 68    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 43.366 | -8.4  | 66    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.254 | -5.6  | 66    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 54    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.580 | 11.1  | 50    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 46.013 | -15.0 | 66    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 45.796 | -14.5 | 66    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 44.524 | -11.3 | 64    | 0.00     |
| 69   | Atrazine                   | 40.000 | 46.100 | -15.3 | 67    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 39.362 | 1.6   | 54    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.701 | -1.8  | 59    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.963 | 0.1   | 58    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.319 | 4.2   | 57    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.132 | 2.2   | 59    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 44.237 | -10.6 | 65    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 57    | 0.00     |
| 77   | Benzidine                  | 40.000 | 45.800 | -14.5 | 72    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.178 | -5.4  | 64    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 83.583 | -4.5  | 65    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.219 | -8.0  | 64    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.373 | -0.9  | 62    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.866 | -4.7  | 63    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.348 | -0.9  | 61    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.598 | -9.0  | 66    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.948 | -7.4  | 66    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.337 | 4.2   | 60    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 56    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.446 | 3.9  | 57    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.809 | -2.0 | 59    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.002 | -2.5 | 60    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 42.789 | -7.0 | 61    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.946 | 0.1  | 56    | 0.01     |

(#) = Out of Range

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