

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032919\  
 Data File : BF113410.D  
 Acq On : 29 Mar 2019 13:31  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 30 01:08:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 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   | 98    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.046 | 7.4   | 96    | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.320 | 1.7   | 107   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.032 | 7.4   | 105   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.708 | 0.4   | 109   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.717 | 0.7   | 99    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 78.168 | 2.3   | 100   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.838 | 0.4   | 102   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.478 | 1.3   | 101   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.910 | 2.7   | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.485 | 1.3   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.484 | 1.3   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.252 | -3.1  | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.223 | 4.4   | 97    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.495 | -3.7  | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.012 | -2.5  | 97    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.346 | -0.9  | 97    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.622 | -4.1  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.502 | 6.2   | 96    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.670 | -4.2  | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.619 | 1.0   | 96    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.259 | -5.3  | 96    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.912 | -4.8  | 93    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.305 | -0.8  | 95    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.913 | -7.3  | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.874 | -4.7  | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.964 | -4.9  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.728 | -4.3  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.505 | -3.8  | 99    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.245 | -3.1  | 103   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.259 | 9.4   | 88    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 44.047 | -10.1 | 120   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.769 | -4.4  | 113   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.585 | -4.0  | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.473 | -3.7  | 115   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.724 | -6.8  | 117   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 42.716 | -6.8  | 116   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.275 | -3.2  | 118   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 29.991 | 25.0# | 89    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.970 | -1.2  | 113   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.685 | -1.7  | 117   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.112 | -0.3  | 117   | 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 | 82.424 | -3.0  | 113   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.355 | -0.9  | 116   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.072 | -0.2  | 115   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.859 | 0.4   | 115   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.780 | -2.0  | 114   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.307 | -0.8  | 115   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.016 | -0.0  | 113   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.623 | -1.6  | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.921 | -2.3  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.740 | 8.1   | 113   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.410 | -1.0  | 112   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.747 | 8.1   | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.002 | -0.0  | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.344 | -0.9  | 114   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.196 | -3.0  | 112   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.255 | 1.9   | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.684 | -1.7  | 113   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.851 | -2.1  | 114   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.543 | -1.4  | 114   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.678 | 5.8   | 107   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.573 | -1.4  | 114   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.352 | -3.4  | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.022 | -2.6  | 112   | 0.00     |
| 69   | Atrazine                   | 40.000 | 42.065 | -5.2  | 115   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.984 | 2.5   | 110   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.622 | -1.6  | 110   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.979 | -2.4  | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.552 | -3.9  | 113   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.794 | -2.0  | 110   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.987 | 2.5   | 108   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 77   | Benzidine                  | 40.000 | 43.297 | -8.2  | 102   | 0.00     |
| 78   | Pyrene                     | 40.000 | 45.958 | -14.9 | 107   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 90.906 | -13.6 | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.030 | -5.1  | 99    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.452 | -3.6  | 97    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.846 | -4.6  | 95    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.526 | -3.8  | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.764 | -1.9  | 95    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.366 | 4.1   | 87    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.905 | -4.8  | 106   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 88    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.746 | -1.9  | 89    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.500 | -3.8  | 86    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.647 | -1.6  | 90    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 45.634 | -14.1 | 105   | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 46.379 | -15.9 | 111   | 0.00     |

(#) = Out of Range

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