

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\  
 Data File : BF114669.D  
 Acq On : 30 May 2019 19:24  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 31 01:03:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.729 | -1.8  | 111   | -0.02    |
| 3    | Pyridine                     | 40.000 | 39.363 | 1.6   | 108   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.675 | 3.3   | 105   | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.920 | -2.4  | 112   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.807 | -2.0  | 110   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.640 | -3.3  | 112   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 42.160 | -5.4  | 113   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 47.326 | -18.3 | 121   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.550 | -3.9  | 112   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.910 | -2.3  | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.203 | -5.5  | 114   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.995 | -5.0  | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.604 | -6.5  | 113   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.251 | -3.1  | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.044 | 2.4   | 105   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.262 | -3.2  | 113   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 38.747 | 3.1   | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.422 | 1.4   | 108   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.280 | 1.8   | 113   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 113   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.502 | -1.3  | 111   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.084 | -2.6  | 112   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.263 | -3.2  | 111   | -0.01    |
| 25   | Isophorone                   | 40.000 | 38.699 | 3.3   | 108   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.015 | -5.0  | 116   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.774 | -1.9  | 112   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.841 | 0.4   | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.159 | -2.9  | 113   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.906 | -4.8  | 114   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.067 | -0.2  | 112   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.634 | -1.6  | 124   | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 39.876 | 0.3   | 111   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.913 | -4.8  | 114   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.943 | 0.1   | 112   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.634 | -1.6  | 112   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.056 | -2.6  | 110   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.908 | -2.3  | 110   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 107   | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.285 | -10.7 | 114   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.471 | 11.3  | 92    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.125 | -3.9  | 107   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.156 | -5.4  | 112   | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.242 | -5.6  | 109   | -0.01    |

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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 | 87.399 | -9.2 | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.268 | -3.2 | 110   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.349 | -5.9 | 110   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.830 | -7.1 | 112   | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 39.882 | 0.3  | 106   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.810 | -4.5 | 109   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.081 | -2.7 | 107   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.891 | -4.7 | 108   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 42.506 | -6.3 | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.107 | -7.8 | 112   | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 39.977 | 0.1  | 106   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 40.652 | -1.6 | 106   | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.863 | -4.7 | 108   | -0.01    |
| 58   | Fluorene                   | 40.000 | 40.951 | -2.4 | 106   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.459 | -3.6 | 106   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.334 | -3.3 | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.636 | -6.6 | 110   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.222 | -5.6 | 110   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 39.394 | 1.5  | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.591 | 11.0 | 89    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.728 | -6.8 | 105   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.564 | -6.4 | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.894 | -4.7 | 104   | -0.01    |
| 69   | Atrazine                   | 40.000 | 39.022 | 2.4  | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.255 | -5.6 | 103   | -0.01    |
| 71   | Phenanthrene               | 40.000 | 38.717 | 3.2  | 103   | -0.01    |
| 72   | Anthracene                 | 40.000 | 38.802 | 3.0  | 102   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.730 | 0.7  | 102   | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 39.716 | 0.7  | 100   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.130 | 7.2  | 98    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 97    | -0.01    |
| 77   | Benzidine                  | 40.000 | 42.847 | -7.1 | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.208 | -0.5 | 98    | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 80.553 | -0.7 | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.224 | 1.9  | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.848 | 2.9  | 93    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.177 | -2.9 | 99    | -0.01    |
| 83   | Chrysene                   | 40.000 | 38.410 | 4.0  | 94    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.952 | 0.1  | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.442 | 6.4  | 89    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.022 | 17.4 | 82    | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 83    | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.922 | -2.3 | 85    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 43.557 | -8.9 | 85    | -0.01    |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.122 | -2.8 | 83    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.694 | 0.8  | 80    | -0.03    |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 39.824 | 0.4  | 82    | -0.04    |

(#) = Out of Range

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