

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\  
 Data File : BF115981.D  
 Acq On : 5 Aug 2019 14:34  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 06 08:49:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 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   | 92    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 32.417 | 19.0  | 77    | -0.01    |
| 3    | Pyridine                     | 40.000 | 33.197 | 17.0  | 78    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 20.393 | 49.0# | 48    | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.291 | -0.4  | 92    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.146 | -0.4  | 91    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 85.290 | -6.6  | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 42.661 | -6.7  | 98    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.981 | 7.5   | 84    | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.004 | -5.0  | 96    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.797 | -7.0  | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.692 | -4.2  | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.128 | -5.3  | 96    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.347 | -5.9  | 95    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 43.624 | -9.1  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.786 | -7.0  | 97    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.942 | -7.4  | 100   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.849 | -7.1  | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.913 | -7.3  | 100   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.211 | -8.0  | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 43.019 | -7.5  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.114 | -5.1  | 97    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.962 | -4.9  | 97    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.644 | -6.6  | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.964 | -9.9  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.960 | -4.9  | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.955 | -7.4  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.227 | -8.1  | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.127 | -5.3  | 97    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 43.309 | -8.3  | 98    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 43.934 | -9.8  | 112   | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 42.105 | -5.3  | 97    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.755 | -6.9  | 98    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.590 | -4.0  | 96    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.583 | -9.0  | 101   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 43.913 | -9.8  | 100   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 44.292 | -10.7 | 101   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.576 | -6.4  | 100   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 32.242 | 19.4  | 75    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 85.849 | -7.3  | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.383 | -1.0  | 95    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.272 | -3.2  | 97    | 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 | 86.164 | -7.7  | 100   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 42.452 | -6.1  | 100   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.568 | -3.9  | 98    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.239 | -3.1  | 98    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 43.352 | -8.4  | 101   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.434 | -6.1  | 101   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.824 | -7.1  | 101   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.930 | -4.8  | 98    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.045 | -0.1  | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.912 | 0.2   | 99    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 43.099 | -7.7  | 100   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.113 | 2.2   | 92    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.597 | -6.5  | 99    | 0.00     |
| 58   | Fluorene                   | 40.000 | 43.295 | -8.2  | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.437 | -3.6  | 98    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.458 | -8.6  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 43.940 | -9.8  | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.279 | -0.7  | 95    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 43.550 | -8.9  | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.310 | -13.3 | 105   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.866 | -7.2  | 101   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.377 | -8.4  | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.557 | -6.4  | 100   | 0.00     |
| 69   | Atrazine                   | 40.000 | 33.320 | 16.7  | 79    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.174 | 4.6   | 88    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 42.412 | -6.0  | 99    | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.860 | -7.1  | 101   | 0.00     |
| 73   | Carbazole                  | 40.000 | 42.633 | -6.6  | 100   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 46.766 | -16.9 | 107   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.249 | -8.1  | 102   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.218 | 2.0   | 87    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.060 | -5.2  | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 84.797 | -6.0  | 102   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.845 | -12.1 | 105   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 43.049 | -7.6  | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.595 | -6.5  | 98    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.878 | -4.7  | 99    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.851 | -19.6 | 111   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 45.891 | -14.7 | 105   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.918 | 0.2   | 98    | 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 | 43.927 | -9.8  | 92    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 44.568 | -11.4 | 102   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 44.041 | -10.1 | 97    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 43.515 | -8.8  | 99    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 42.091 | -5.2  | 99    | 0.00     |

(#) = Out of Range

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