

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF031819\  
 Data File : BF113084.D  
 Acq On : 18 Mar 2019 12:15  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 19 04:55:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 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    | 103   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.636 | 8.4    | 95    | -0.04    |
| 3    | Pyridine                     | 40.000 | 27.767 | 30.6#  | 72    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 29.798 | 25.5#  | 75    | -0.04    |
| 5 S  | 2-Fluorophenol               | 80.000 | 66.170 | 17.3   | 87    | 0.00     |
| 6    | Aniline                      | 40.000 | 32.091 | 19.8   | 83    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 71.388 | 10.8   | 94    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.658 | 5.9    | 98    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 34.713 | 13.2   | 91    | 0.00     |
| 10 C | Phenol                       | 40.000 | 34.132 | 14.7   | 87    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 35.442 | 11.4   | 93    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.171 | 2.1    | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.258 | 1.9    | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.985 | 2.5    | 104   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 35.403 | 11.5   | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.237 | 16.9   | 87    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.006 | 7.5    | 97    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.799 | 5.5    | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 34.138 | 14.7   | 90    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.283 | 4.3    | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.010 | -2.5   | 102   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.448 | -4.3   | 103   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.639 | 0.9    | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 35.898 | 10.3   | 92    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 50.174 | -25.4# | 118   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.823 | 5.4    | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.053 | 7.4    | 94    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.189 | -5.5   | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.883 | -4.7   | 107   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.714 | 3.2    | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.591 | -4.0   | 103   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.653 | 0.9    | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.949 | -12.4  | 113   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.192 | -0.5   | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.338 | 1.7    | 98    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.003 | 2.5    | 99    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.663 | 3.3    | 99    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.701 | -9.3   | 113   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 34.149 | 14.6   | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 90.118 | -12.6  | 114   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.678 | -6.7   | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.582 | -6.5   | 107   | 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 | 82.020 | -2.5  | 103   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.650 | -1.6  | 103   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.610 | 1.0   | 103   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.815 | -7.0  | 103   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.707 | 5.7   | 99    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.004 | -0.0  | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.903 | -7.3  | 103   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.115 | 9.7   | 94    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.399 | -6.0  | 103   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 45.985 | -15.0 | 124   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.486 | 6.3   | 99    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.896 | 5.3   | 89    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.439 | -13.6 | 108   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.534 | 1.2   | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.406 | -6.0  | 106   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.806 | 10.5  | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.041 | -5.1  | 110   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 46.654 | -16.6 | 116   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 34.190 | 14.5  | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.143 | -12.9 | 120   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.213 | 7.0   | 97    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.591 | -4.0  | 109   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.645 | -6.6  | 112   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.593 | 11.0  | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.492 | -1.2  | 100   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.643 | 3.4   | 99    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.093 | 4.8   | 101   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.009 | 5.0   | 101   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 35.192 | 12.0  | 94    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.259 | 1.9   | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 123   | 0.00     |
| 77   | Benzidine                  | 40.000 | 24.336 | 39.2# | 73    | 0.00     |
| 78   | Pyrene                     | 40.000 | 32.863 | 17.8  | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 65.920 | 17.6  | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 32.419 | 19.0  | 96    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 32.659 | 18.4  | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.438 | 6.4   | 110   | 0.00     |
| 83   | Chrysene                   | 40.000 | 34.339 | 14.2  | 105   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 32.120 | 19.7  | 98    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 34.260 | 14.4  | 105   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.137 | 9.7   | 118   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 126   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.345 | 4.1  | 113   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 35.065 | 12.3 | 117   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 37.487 | 6.3  | 117   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.738 | 8.2  | 120   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.237 | 9.4  | 118   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1