

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF030819\  
 Data File : BF112937.D  
 Acq On : 8 Mar 2019 11:58  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 08 23:19:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 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    | 111   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.682 | 8.3    | 102   | 0.02     |
| 3    | Pyridine                     | 40.000 | 36.554 | 8.6    | 102   | 0.01     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.362 | 11.6   | 96    | 0.02     |
| 5 S  | 2-Fluorophenol               | 80.000 | 73.420 | 8.2    | 104   | 0.00     |
| 6    | Aniline                      | 40.000 | 35.611 | 11.0   | 99    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.520 | 6.9    | 106   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.206 | 4.5    | 107   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.432 | 16.4   | 94    | -0.01    |
| 10 C | Phenol                       | 40.000 | 36.040 | 9.9    | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.080 | 9.8    | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.674 | 3.3    | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.097 | 2.3    | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.978 | 2.6    | 112   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 37.548 | 6.1    | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.014 | 12.5   | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.243 | 4.4    | 108   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.081 | 4.8    | 107   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.391 | 11.5   | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.958 | 5.1    | 109   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 111   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.300 | 1.8    | 108   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.340 | -2.9   | 112   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.547 | 1.1    | 108   | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.426 | 8.9    | 103   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 49.611 | -24.0# | 129   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.465 | 6.3    | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.620 | 8.5    | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.286 | -3.2   | 114   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.941 | -2.4   | 116   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.997 | 5.0    | 108   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 34.579 | 13.6   | 95    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 39.352 | 1.6    | 110   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.728 | -6.8   | 120   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 41.310 | -3.3   | 113   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.369 | 1.6    | 109   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.793 | 3.0    | 110   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.165 | 4.6    | 108   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.210 | -5.5   | 120   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.377 | -0.9   | 111   | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 91.483 | -14.4  | 126   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.155 | -5.4   | 116   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.940 | -7.3   | 118   | 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 | 80.202 | -0.3   | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.596 | 1.0    | 109   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.915 | 2.7    | 111   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 43.751 | -9.4   | 115   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.603 | 6.0    | 108   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.051 | 2.4    | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.663 | -9.2   | 115   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.045 | 2.4    | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.827 | -7.1   | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 54.396 | -36.0# | 165   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.657 | 5.9    | 109   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.166 | -5.4   | 109   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.605 | -16.5  | 121   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.728 | 3.2    | 112   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.774 | -6.9   | 118   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.916 | 10.2   | 103   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.535 | -1.3   | 117   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 45.809 | -14.5  | 125   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 34.674 | 13.3   | 99    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 116   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 49.531 | -23.8  | 148   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.052 | 7.4    | 108   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.171 | -0.4   | 117   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.967 | -4.9   | 122   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.530 | 3.7    | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 44.574 | -11.4  | 123   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.462 | 3.8    | 110   | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.561 | 6.1    | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.366 | 6.6    | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 35.330 | 11.7   | 105   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 38.273 | 4.3    | 109   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 115   | 0.00     |
| 77   | Benzidine                  | 40.000 | 33.533 | 16.2   | 94    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.948 | 5.1    | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.992 | 5.0    | 111   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 36.807 | 8.0    | 102   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 34.486 | 13.8   | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 36.659 | 8.4    | 101   | 0.00     |
| 83   | Chrysene                   | 40.000 | 36.309 | 9.2    | 104   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.599 | 13.5   | 99    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 34.626 | 13.4   | 99    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.549 | -1.4   | 124   | 0.01     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 107   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.445 | 3.9   | 97    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 35.505 | 11.2  | 101   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 37.653 | 5.9   | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 44.438 | -11.1 | 124   | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 46.208 | -15.5 | 128   | 0.00     |

(#) = Out of Range

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