

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF090617\  
 Data File : BF098299.D  
 Acq On : 7 Sep 2017 4:08  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 07 07:29:58 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 17:28:20 2017  
 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   | 106   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.675 | 5.8   | 101   | -0.01    |
| 3    | Pyridine                     | 40.000 | 39.276 | 1.8   | 104   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.483 | 8.8   | 93    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.343 | 3.3   | 103   | 0.00     |
| 6    | Aniline                      | 40.000 | 35.115 | 12.2  | 93    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.381 | 3.3   | 103   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.724 | 0.7   | 104   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.352 | 4.1   | 100   | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.286 | 9.3   | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.127 | -0.3  | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.259 | 1.9   | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.907 | 2.7   | 104   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.701 | 3.2   | 103   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 33.598 | 16.0  | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.697 | 10.8  | 94    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.609 | 3.5   | 101   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 29.085 | 27.3# | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 34.049 | 14.9  | 90    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.733 | 8.2   | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.492 | 1.3   | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 90.307 | -12.9 | 107   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.443 | -8.6  | 99    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.356 | 1.6   | 96    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.874 | -2.2  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.312 | -0.8  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.058 | -5.1  | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.856 | 0.4   | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.074 | -0.2  | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.710 | 3.2   | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 26.840 | 32.9# | 64    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.063 | 2.3   | 96    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.489 | -1.2  | 99    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.829 | 0.4   | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 36.948 | 7.6   | 88    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.133 | 7.2   | 91    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.325 | -10.8 | 93    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 1.691  | 95.8# | 3     | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 76.946 | 3.8   | 76    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.944 | -7.4  | 87    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.840 | -2.1  | 82    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.070 | -3.8  | 89    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.030 | -5.1   | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.964 | -2.4   | 86    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 48.633 | -21.6  | 95    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.610 | 3.5    | 80    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 44.836 | -12.1  | 93    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.881 | 0.3    | 79    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.214 | 7.0    | 78    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 47.644 | -19.1  | 96    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 11.356 | 71.6#  | 4     | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.276 | 6.8    | 78    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 30.178 | 24.6   | 60    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 34.951 | 12.6   | 68    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.665 | 5.8    | 80    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.411 | 11.5   | 72    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.412 | -1.0   | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.433 | 1.4    | 83    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 48.690 | -21.7  | 97    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 34.496 | 13.8   | 71    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 10.428 | 73.9#  | 5     | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.093 | -5.2   | 78    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.961 | -4.9   | 77    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.074 | -2.7   | 76    | 0.00     |
| 68   | Atrazine                   | 40.000 | 25.599 | 36.0#  | 47    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 36.266 | 9.3    | 62    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.172 | 2.1    | 73    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.967 | 0.1    | 74    | -0.01    |
| 72   | Carbazole                  | 40.000 | 40.963 | -2.4   | 77    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 44.496 | -11.2  | 80    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 43.175 | -7.9   | 80    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 98    | 0.00     |
| 76   | Benzidine                  | 40.000 | 52.105 | -30.3# | 134   | 0.00     |
| 77   | Pyrene                     | 40.000 | 34.182 | 14.5   | 83    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 67.815 | 15.2   | 84    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.468 | -1.2   | 95    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.167 | 7.1    | 91    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 47.409 | -18.5  | 110   | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.101 | 7.2    | 92    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.890 | -19.7  | 108   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 52.743 | -31.9# | 121   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.530 | 16.2   | 84    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 89    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.023 | -0.1   | 88    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.717 | -6.8 | 93    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.543 | -1.4 | 88    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.107 | -0.3 | 87    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.629 | 5.9  | 82    | -0.01    |

(#) = Out of Range

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