

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\  
 Data File : BF093055.D  
 Acq On : 21 Feb 2017 5:23  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 21 06:12:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.630 | 0.655 | -4.0  | 112   | -0.03    |
| 3    | Pyridine                    | 1.602 | 1.832 | -14.4 | 119   | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.752 | 0.751 | 0.1   | 105   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.166 | 1.234 | -5.8  | 107   | -0.01    |
| 6    | Aniline                     | 2.046 | 2.202 | -7.6  | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 1.500 | 1.521 | -1.4  | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 1.286 | 1.377 | -7.1  | 112   | 0.00     |
| 9    | Benzaldehyde                | 1.075 | 0.940 | 12.6  | 90    | 0.00     |
| 10 C | Phenol                      | 1.755 | 1.646 | 6.2   | 104   | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.401 | 1.461 | -4.3  | 115   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.506 | 1.543 | -2.5  | 111   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.525 | 1.623 | -6.4  | 116   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.458 | 1.375 | 5.7   | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 1.110 | 1.090 | 1.8   | 107   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.434 | 2.547 | -4.6  | 112   | -0.01    |
| 17   | 2-Methylphenol              | 1.103 | 1.197 | -8.5  | 109   | 0.00     |
| 18   | Hexachloroethane            | 0.520 | 0.523 | -0.6  | 106   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.955 | 1.040 | -8.9  | 126   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.319 | 1.415 | -7.3  | 110   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 22   | Acetophenone                | 0.457 | 0.461 | -0.9  | 109   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.359 | 0.385 | -7.2  | 111   | 0.00     |
| 24   | Nitrobenzene                | 0.369 | 0.357 | 3.3   | 108   | -0.01    |
| 25   | Isophorone                  | 0.669 | 0.705 | -5.4  | 113   | -0.01    |
| 26 C | 2-Nitrophenol               | 0.175 | 0.198 | -13.1 | 109   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.308 | 0.338 | -9.7  | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.443 | 0.501 | -13.1 | 119   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.282 | 1.7   | 108   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.309 | 0.310 | -0.3  | 107   | -0.01    |
| 31   | Naphthalene                 | 1.014 | 0.993 | 2.1   | 106   | -0.01    |
| 32   | Benzoic acid                | 0.156 | 0.192 | -23.1 | 116   | 0.01     |
| 33   | 4-Chloroaniline             | 0.398 | 0.409 | -2.8  | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.170 | 0.166 | 2.4   | 102   | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.105 | -16.7 | 114   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.323 | -8.0  | 111   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.651 | 0.672 | -3.2  | 108   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.561 | 0.535 | 4.6   | 106   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.253 | 0.183 | 27.7# | 78    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.145 | 0.127 | 12.4  | 88    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.369 | 0.368 | 0.3   | 103   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.404 | 0.383 | 5.2   | 107   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.104 | 1.069 | 3.2   | 100   | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.448 | 1.515 | -4.6   | 110   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.133 | 1.190 | -5.0   | 108   | 0.00     |
| 47   | 2-Nitroaniline             | 0.381 | 0.398 | -4.5   | 122   | 0.00     |
| 48   | Acenaphthylene             | 1.957 | 1.789 | 8.6    | 108   | 0.00     |
| 49   | Dimethylphthalate          | 1.347 | 1.274 | 5.4    | 103   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.291 | 0.321 | -10.3  | 117   | 0.00     |
| 51 C | Acenaphthene               | 1.170 | 1.072 | 8.4    | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 0.333 | 0.377 | -13.2  | 116   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.130 | 0.126 | 3.1    | 101   | 0.00     |
| 54   | Dibenzofuran               | 1.565 | 1.416 | 9.5    | 106   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.240 | 0.206 | 14.2   | 95    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.387 | 0.334 | 13.7   | 84    | 0.00     |
| 57   | Fluorene                   | 1.204 | 1.190 | 1.2    | 111   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.270 | 0.259 | 4.1    | 94    | 0.00     |
| 59   | Diethylphthalate           | 1.270 | 1.181 | 7.0    | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.578 | 0.504 | 12.8   | 98    | 0.00     |
| 61   | 4-Nitroaniline             | 0.341 | 0.323 | 5.3    | 104   | 0.00     |
| 62   | Azobenzene                 | 1.312 | 1.288 | 1.8    | 108   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.103 | 0.124 | -20.4  | 104   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.639 | 0.722 | -13.0  | 113   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.209 | 0.216 | -3.3   | 107   | 0.00     |
| 67   | Hexachlorobenzene          | 0.206 | 0.216 | -4.9   | 108   | 0.00     |
| 68   | Atrazine                   | 0.205 | 0.211 | -2.9   | 110   | 0.00     |
| 69 C | Pentachlorophenol          | 0.089 | 0.104 | -16.9  | 111   | 0.00     |
| 70   | Phenanthrene               | 1.146 | 1.133 | 1.1    | 99    | 0.00     |
| 71   | Anthracene                 | 1.151 | 1.091 | 5.2    | 98    | -0.01    |
| 72   | Carbazole                  | 1.100 | 1.002 | 8.9    | 87    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.190 | 1.325 | -11.3  | 113   | 0.00     |
| 74 C | Fluoranthene               | 1.182 | 1.032 | 12.7   | 86    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 81    | -0.01    |
| 76   | Benzidine                  | 0.852 | 0.686 | 19.5   | 66    | -0.01    |
| 77   | Pyrene                     | 1.497 | 1.520 | -1.5   | 78    | -0.01    |
| 78 S | Terphenyl-d14              | 0.851 | 0.899 | -5.6   | 89    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.608 | 0.683 | -12.3  | 91    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.223 | 1.095 | 10.5   | 72    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.436 | 0.431 | 1.1    | 78    | -0.01    |
| 82   | Chrysene                   | 1.145 | 1.066 | 6.9    | 70    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.831 | 0.944 | -13.6  | 88    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.354 | 1.443 | -6.6   | 82    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.887 | 1.264 | -42.5# | 121   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 94    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.316 | 1.094 | 16.9   | 74    | -0.01    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.137 | 1.168 | -2.7  | 105   | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.139 | 1.109 | 2.6   | 92    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 0.920 | 1.118 | -21.5 | 121   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.930 | 1.132 | -21.7 | 122   | -0.02    |

(#) = Out of Range

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