

Data Path : Z:\HPCHEM1\BNA F\Data\BF071017\  
 Data File : BF096604.D  
 Acq On : 10 Jul 2017 16:40  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 11 03:10:07 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 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   | 65    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.643 | 0.625 | 2.8   | 60    | -0.04    |
| 3    | Pyridine                    | 1.763 | 1.529 | 13.3  | 56    | -0.04    |
| 4    | n-Nitrosodimethylamine      | 0.870 | 0.813 | 6.6   | 59    | -0.05    |
| 5 S  | 2-Fluorophenol              | 1.355 | 1.316 | 2.9   | 63    | -0.02    |
| 6    | Aniline                     | 2.153 | 2.017 | 6.3   | 61    | -0.02    |
| 7 S  | Phenol-d6                   | 1.666 | 1.599 | 4.0   | 62    | -0.02    |
| 8    | 2-Chlorophenol              | 1.445 | 1.444 | 0.1   | 65    | -0.01    |
| 9    | Benzaldehyde                | 1.043 | 0.898 | 13.9  | 55    | -0.02    |
| 10 C | Phenol                      | 1.898 | 1.789 | 5.7   | 61    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.467 | 1.365 | 7.0   | 60    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.515 | 1.536 | -1.4  | 67    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.514 | 1.559 | -3.0  | 66    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.390 | 1.432 | -3.0  | 68    | -0.02    |
| 15   | Benzyl Alcohol              | 1.114 | 1.098 | 1.4   | 63    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.982 | 2.860 | 4.1   | 61    | -0.01    |
| 17   | 2-Methylphenol              | 1.152 | 1.118 | 3.0   | 62    | -0.01    |
| 18   | Hexachloroethane            | 0.549 | 0.551 | -0.4  | 64    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.992 | 0.937 | 5.5   | 61    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.284 | 1.327 | -3.3  | 66    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 66    | -0.02    |
| 22   | Acetophenone                | 0.437 | 0.428 | 2.1   | 67    | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.333 | 0.322 | 3.3   | 63    | -0.02    |
| 24   | Nitrobenzene                | 0.349 | 0.332 | 4.9   | 62    | -0.02    |
| 25   | Isophorone                  | 0.645 | 0.598 | 7.3   | 60    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.185 | 0.188 | -1.6  | 65    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.315 | 0.304 | 3.5   | 63    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.426 | 0.399 | 6.3   | 61    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.271 | 0.279 | -3.0  | 67    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.256 | 0.266 | -3.9  | 68    | -0.02    |
| 31   | Naphthalene                 | 0.944 | 0.942 | 0.2   | 66    | -0.01    |
| 32   | Benzoic acid                | 0.264 | 0.251 | 4.9   | 60    | -0.02    |
| 33   | 4-Chloroaniline             | 0.392 | 0.388 | 1.0   | 65    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.131 | 0.138 | -5.3  | 69    | -0.01    |
| 35   | Caprolactam                 | 0.094 | 0.088 | 6.4   | 64    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.300 | 0.299 | 0.3   | 67    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.601 | 0.606 | -0.8  | 68    | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 68    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.519 | 0.535 | -3.1  | 71    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.253 | 0.225 | 11.1  | 57    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.156 | 0.178 | -14.1 | 79    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.411 | 0.407 | 1.0   | 67    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.406 | 0.411 | -1.2  | 69    | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.170 | 1.240 | -6.0  | 72    | -0.02    |

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|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.714 | 1.712 | 0.1  | 69    | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.277 | 1.265 | 0.9  | 68    | -0.02    |
| 47   | 2-Nitroaniline             | 0.465 | 0.438 | 5.8  | 63    | -0.01    |
| 48   | Acenaphthylene             | 2.024 | 2.008 | 0.8  | 69    | -0.02    |
| 49   | Dimethylphthalate          | 1.493 | 1.482 | 0.7  | 69    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.330 | 0.335 | -1.5 | 68    | -0.02    |
| 51 C | Acenaphthene               | 1.247 | 1.163 | 6.7  | 64    | -0.02    |
| 52   | 3-Nitroaniline             | 0.412 | 0.414 | -0.5 | 69    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.175 | 0.172 | 1.7  | 64    | -0.02    |
| 54   | Dibenzofuran               | 1.647 | 1.646 | 0.1  | 69    | -0.02    |
| 55 P | 4-Nitrophenol              | 0.341 | 0.319 | 6.5  | 62    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.418 | 0.437 | -4.5 | 69    | -0.02    |
| 57   | Fluorene                   | 1.163 | 1.246 | -7.1 | 73    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.281 | 0.293 | -4.3 | 71    | -0.02    |
| 59   | Diethylphthalate           | 1.411 | 1.435 | -1.7 | 70    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.506 | 0.527 | -4.2 | 72    | -0.02    |
| 61   | 4-Nitroaniline             | 0.374 | 0.389 | -4.0 | 71    | -0.02    |
| 62   | Azobenzene                 | 1.365 | 1.278 | 6.4  | 64    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 71    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.138 | 0.141 | -2.2 | 68    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 0.702 | 0.696 | 0.9  | 71    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.195 | 0.202 | -3.6 | 74    | -0.02    |
| 67   | Hexachlorobenzene          | 0.213 | 0.218 | -2.3 | 73    | -0.02    |
| 68   | Atrazine                   | 0.200 | 0.198 | 1.0  | 70    | -0.02    |
| 69 C | Pentachlorophenol          | 0.126 | 0.130 | -3.2 | 68    | -0.02    |
| 70   | Phenanthrene               | 1.081 | 1.056 | 2.3  | 71    | -0.02    |
| 71   | Anthracene                 | 1.102 | 1.084 | 1.6  | 71    | -0.02    |
| 72   | Carbazole                  | 1.108 | 1.095 | 1.2  | 71    | -0.02    |
| 73   | Di-n-butylphthalate        | 1.342 | 1.318 | 1.8  | 70    | -0.01    |
| 74 C | Fluoranthene               | 1.060 | 1.063 | -0.3 | 72    | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 71    | -0.02    |
| 76   | Benzidine                  | 0.960 | 0.839 | 12.6 | 61    | -0.02    |
| 77   | Pyrene                     | 1.605 | 1.620 | -0.9 | 72    | -0.02    |
| 78 S | Terphenyl-d14              | 0.936 | 0.971 | -3.7 | 77    | -0.02    |
| 79   | Butylbenzylphthalate       | 0.813 | 0.790 | 2.8  | 68    | -0.02    |
| 80   | Benzo(a)anthracene         | 1.158 | 1.197 | -3.4 | 75    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.476 | 0.481 | -1.1 | 71    | -0.02    |
| 82   | Chrysene                   | 1.213 | 1.232 | -1.6 | 73    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.907 | 0.915 | -0.9 | 73    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.786 | 1.668 | 6.6  | 66    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.957 | 0.993 | -3.8 | 77    | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 72    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.253 | 1.198 | 4.4  | 67    | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.121 | 1.186 | -5.8 | 79    | -0.02    |
| 89 C | Benzo(a)pyrene         | 1.119 | 1.093 | 2.3  | 70    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 0.880 | 0.934 | -6.1 | 78    | -0.04    |
| 91   | Benzo(a,h,i)perylene   | 0.912 | 0.935 | -2.5 | 75    | -0.05    |

(#) = Out of Range

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