

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\  
 Data File : BF091495.D  
 Acq On : 8 Dec 2016 4:08  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 08 06:33:21 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 08 00:35:13 2016  
 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   | 81    | -0.04    |
| 2    | 1,4-Dioxane                 | 0.554 | 0.474 | 14.4  | 72    | -0.11    |
| 3    | Pyridine                    | 1.567 | 1.196 | 23.7  | 62    | -0.12    |
| 4    | n-Nitrosodimethylamine      | 0.822 | 0.710 | 13.6  | 72    | -0.12    |
| 5 S  | 2-Fluorophenol              | 1.224 | 1.138 | 7.0   | 77    | -0.04    |
| 6    | Aniline                     | 2.002 | 1.677 | 16.2  | 69    | -0.05    |
| 7 S  | Phenol-d6                   | 1.507 | 1.342 | 10.9  | 77    | -0.03    |
| 8    | 2-Chlorophenol              | 1.342 | 1.260 | 6.1   | 78    | -0.04    |
| 9    | Benzaldehyde                | 0.969 | 0.776 | 19.9  | 65    | -0.04    |
| 10 C | Phenol                      | 1.773 | 1.470 | 17.1  | 70    | -0.04    |
| 11   | bis(2-Chloroethyl)ether     | 1.267 | 1.180 | 6.9   | 82    | -0.04    |
| 12   | 1,3-Dichlorobenzene         | 1.493 | 1.413 | 5.4   | 84    | -0.04    |
| 13 C | 1,4-Dichlorobenzene         | 1.485 | 1.298 | 12.6  | 75    | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 1.383 | 1.366 | 1.2   | 83    | -0.04    |
| 15   | Benzyl Alcohol              | 1.206 | 1.106 | 8.3   | 73    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.724 | 2.596 | 4.7   | 79    | -0.04    |
| 17   | 2-Methylphenol              | 1.061 | 0.985 | 7.2   | 74    | -0.03    |
| 18   | Hexachloroethane            | 0.527 | 0.481 | 8.7   | 74    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.949 | 0.962 | -1.4  | 92    | -0.04    |
| 20   | 3+4-Methylphenols           | 1.295 | 1.119 | 13.6  | 78    | -0.04    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 75    | -0.05    |
| 22   | Acetophenone                | 0.474 | 0.467 | 1.5   | 71    | -0.04    |
| 23 S | Nitrobenzene-d5             | 0.357 | 0.362 | -1.4  | 79    | -0.05    |
| 24   | Nitrobenzene                | 0.365 | 0.353 | 3.3   | 72    | -0.04    |
| 25   | Isophorone                  | 0.632 | 0.623 | 1.4   | 73    | -0.05    |
| 26 C | 2-Nitrophenol               | 0.167 | 0.186 | -11.4 | 89    | -0.04    |
| 27   | 2,4-Dimethylphenol          | 0.311 | 0.282 | 9.3   | 65    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane  | 0.381 | 0.418 | -9.7  | 90    | -0.04    |
| 29 C | 2,4-Dichlorophenol          | 0.274 | 0.283 | -3.3  | 83    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene      | 0.307 | 0.319 | -3.9  | 78    | -0.05    |
| 31   | Naphthalene                 | 0.951 | 0.926 | 2.6   | 74    | -0.05    |
| 32   | Benzoic acid                | 0.230 | 0.218 | 5.2   | 66    | -0.04    |
| 33   | 4-Chloroaniline             | 0.406 | 0.420 | -3.4  | 82    | -0.04    |
| 34 C | Hexachlorobutadiene         | 0.189 | 0.213 | -12.7 | 83    | -0.05    |
| 35   | Caprolactam                 | 0.079 | 0.078 | 1.3   | 72    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol     | 0.296 | 0.317 | -7.1  | 82    | -0.04    |
| 37   | 2-Methylnaphthalene         | 0.646 | 0.714 | -10.5 | 83    | -0.04    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 76    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.564 | 0.525 | 6.9   | 81    | -0.05    |
| 40 P | Hexachlorocyclopentadiene   | 0.261 | 0.119 | 54.4# | 36#   | -0.05    |
| 41 S | 2,4,6-Tribromophenol        | 0.189 | 0.174 | 7.9   | 76    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol       | 0.366 | 0.372 | -1.6  | 78    | -0.04    |
| 43   | 2,4,5-Trichlorophenol       | 0.367 | 0.334 | 9.0   | 69    | -0.04    |
| 44 S | 2-Fluorobiphenyl            | 1.105 | 1.249 | -13.0 | 86    | -0.04    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.438 | 1.297 | 9.8   | 80    | -0.05    |
| 46   | 2-Chloronaphthalene        | 1.071 | 0.983 | 8.2   | 80    | -0.05    |
| 47   | 2-Nitroaniline             | 0.385 | 0.383 | 0.5   | 87    | -0.04    |
| 48   | Acenaphthylene             | 1.686 | 1.584 | 6.0   | 76    | -0.04    |
| 49   | Dimethylphthalate          | 1.211 | 1.279 | -5.6  | 81    | -0.05    |
| 50   | 2,6-Dinitrotoluene         | 0.271 | 0.287 | -5.9  | 79    | -0.04    |
| 51 C | Acenaphthene               | 1.137 | 1.120 | 1.5   | 75    | -0.04    |
| 52   | 3-Nitroaniline             | 0.313 | 0.286 | 8.6   | 83    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 0.118 | 0.057 | 51.7# | 34#   | -0.05    |
| 54   | Dibenzofuran               | 1.523 | 1.426 | 6.4   | 75    | -0.04    |
| 55 P | 4-Nitrophenol              | 0.226 | 0.165 | 27.0# | 58    | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 0.351 | 0.364 | -3.7  | 77    | -0.04    |
| 57   | Fluorene                   | 1.169 | 1.067 | 8.7   | 76    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.314 | 0.299 | 4.8   | 72    | -0.04    |
| 59   | Diethylphthalate           | 1.195 | 1.249 | -4.5  | 82    | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 0.586 | 0.555 | 5.3   | 81    | -0.05    |
| 61   | 4-Nitroaniline             | 0.294 | 0.282 | 4.1   | 72    | -0.04    |
| 62   | Azobenzene                 | 1.220 | 1.211 | 0.7   | 73    | -0.05    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 69    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.110 | 0.066 | 40.0# | 42#   | -0.05    |
| 65 c | n-Nitrosodiphenylamine     | 0.606 | 0.592 | 2.3   | 72    | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 0.215 | 0.241 | -12.1 | 74    | -0.05    |
| 67   | Hexachlorobenzene          | 0.232 | 0.227 | 2.2   | 74    | -0.05    |
| 68   | Atrazine                   | 0.196 | 0.175 | 10.7  | 71    | -0.05    |
| 69 C | Pentachlorophenol          | 0.137 | 0.130 | 5.1   | 60    | -0.05    |
| 70   | Phenanthrene               | 1.039 | 0.941 | 9.4   | 69    | -0.05    |
| 71   | Anthracene                 | 1.031 | 1.044 | -1.3  | 67    | -0.05    |
| 72   | Carbazole                  | 0.936 | 0.808 | 13.7  | 64    | -0.05    |
| 73   | Di-n-butylphthalate        | 1.061 | 1.189 | -12.1 | 75    | -0.05    |
| 74 C | Fluoranthene               | 0.984 | 0.950 | 3.5   | 63    | -0.05    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 72    | -0.06    |
| 76   | Benzidine                  | 0.587 | 0.400 | 31.9# | 47#   | -0.05    |
| 77   | Pyrene                     | 1.518 | 1.345 | 11.4  | 59    | -0.05    |
| 78 S | Terphenyl-d14              | 0.920 | 0.904 | 1.7   | 66    | -0.05    |
| 79   | Butylbenzylphthalate       | 0.568 | 0.537 | 5.5   | 68    | -0.06    |
| 80   | Benzo(a)anthracene         | 1.170 | 1.146 | 2.1   | 72    | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 0.412 | 0.406 | 1.5   | 74    | -0.05    |
| 82   | Chrysene                   | 1.157 | 1.177 | -1.7  | 71    | -0.05    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.720 | 0.763 | -6.0  | 74    | -0.05    |
| 84 c | Di-n-octyl phthalate       | 1.090 | 1.305 | -19.7 | 84    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.060 | 1.109 | -4.6  | 72    | -0.11    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 84    | -0.07    |
| 87   | Benzo(b)fluoranthene       | 1.243 | 1.143 | 8.0   | 70    | -0.06    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.045 | 1.103 | -5.6 | 106   | -0.05    |
| 89 C | Benzo(a)pyrene         | 1.116 | 1.070 | 4.1  | 85    | -0.07    |
| 90   | Dibenzo(a,h)anthracene | 1.033 | 0.938 | 9.2  | 74    | -0.11    |
| 91   | Benzo(a,h,i)perylene   | 1.065 | 0.832 | 21.9 | 62    | -0.11    |

(#) = Out of Range

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