

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100617\  
 Data File : BF099148.D  
 Acq On : 6 Oct 2017 15:33  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 06 22:54:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.600 | 0.586 | 2.3   | 103   | 0.00     |
| 3    | Pyridine                    | 1.624 | 1.577 | 2.9   | 107   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.688 | 0.636 | 7.6   | 99    | 0.01     |
| 5 S  | 2-Fluorophenol              | 1.256 | 1.236 | 1.6   | 105   | 0.00     |
| 6    | Aniline                     | 2.092 | 2.082 | 0.5   | 108   | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.540 | 0.6   | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 1.423 | 1.406 | 1.2   | 108   | 0.00     |
| 9    | Benzaldehyde                | 0.899 | 0.789 | 12.2  | 97    | 0.00     |
| 10 C | Phenol                      | 1.733 | 1.802 | -4.0  | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.348 | 1.315 | 2.4   | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.490 | 1.459 | 2.1   | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.516 | 1.462 | 3.6   | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.401 | 1.351 | 3.6   | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.137 | 1.047 | 7.9   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.099 | 1.872 | 10.8  | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.164 | 1.149 | 1.3   | 107   | 0.00     |
| 18   | Hexachloroethane            | 0.545 | 0.519 | 4.8   | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.990 | 0.867 | 12.4  | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.473 | 1.338 | 9.2   | 98    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 22   | Acetophenone                | 0.485 | 0.434 | 10.5  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.312 | 0.309 | 1.0   | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.354 | 0.345 | 2.5   | 104   | 0.00     |
| 25   | Isophorone                  | 0.645 | 0.621 | 3.7   | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.170 | 0.192 | -12.9 | 116   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.321 | 0.312 | 2.8   | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.385 | 4.2   | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.276 | 0.279 | -1.1  | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.276 | 0.270 | 2.2   | 105   | 0.00     |
| 31   | Naphthalene                 | 0.939 | 0.902 | 3.9   | 105   | 0.00     |
| 32   | Benzoic acid                | 0.264 | 0.243 | 8.0   | 94    | 0.00     |
| 33   | 4-Chloroaniline             | 0.392 | 0.392 | 0.0   | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.142 | 0.135 | 4.9   | 104   | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.092 | -4.5  | 114   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.310 | 0.301 | 2.9   | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.611 | 0.583 | 4.6   | 104   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.596 | 0.584 | 2.0   | 105   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.273 | 0.225 | 17.6  | 85    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.164 | 0.167 | -1.8  | 104   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.423 | 0.411 | 2.8   | 103   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.422 | 0.410 | 2.8   | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.198 | 1.128 | 5.8   | 99    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.719 | 1.642 | 4.5   | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.291 | 1.263 | 2.2   | 105   | 0.00     |
| 47   | 2-Nitroaniline             | 0.395 | 0.400 | -1.3  | 104   | 0.00     |
| 48   | Acenaphthylene             | 1.976 | 1.913 | 3.2   | 104   | 0.00     |
| 49   | Dimethylphthalate          | 1.509 | 1.484 | 1.7   | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.329 | 0.346 | -5.2  | 108   | 0.00     |
| 51 C | Acenaphthene               | 1.251 | 1.147 | 8.3   | 98    | 0.00     |
| 52   | 3-Nitroaniline             | 0.383 | 0.414 | -8.1  | 109   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.148 | 0.155 | -4.7  | 105   | 0.00     |
| 54   | Dibenzofuran               | 1.666 | 1.584 | 4.9   | 102   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.324 | 0.311 | 4.0   | 98    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.426 | 0.454 | -6.6  | 109   | 0.00     |
| 57   | Fluorene                   | 1.339 | 1.286 | 4.0   | 104   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.291 | 0.282 | 3.1   | 101   | 0.00     |
| 59   | Diethylphthalate           | 1.475 | 1.390 | 5.8   | 101   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.602 | 0.560 | 7.0   | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 0.370 | 0.422 | -14.1 | 117   | 0.00     |
| 62   | Azobenzene                 | 1.356 | 1.239 | 8.6   | 98    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.137 | -12.3 | 115   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.693 | 0.669 | 3.5   | 104   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.196 | 0.193 | 1.5   | 104   | 0.00     |
| 67   | Hexachlorobenzene          | 0.209 | 0.205 | 1.9   | 104   | 0.00     |
| 68   | Atrazine                   | 0.208 | 0.207 | 0.5   | 105   | 0.00     |
| 69 C | Pentachlorophenol          | 0.130 | 0.116 | 10.8  | 90    | 0.00     |
| 70   | Phenanthrene               | 1.071 | 1.032 | 3.6   | 104   | 0.00     |
| 71   | Anthracene                 | 1.095 | 1.065 | 2.7   | 104   | 0.00     |
| 72   | Carbazole                  | 1.073 | 1.066 | 0.7   | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.291 | 1.213 | 6.0   | 99    | 0.00     |
| 74 C | Fluoranthene               | 1.084 | 1.068 | 1.5   | 106   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 76   | Benzidine                  | 0.740 | 0.743 | -0.4  | 106   | 0.00     |
| 77   | Pyrene                     | 1.525 | 1.499 | 1.7   | 105   | 0.00     |
| 78 S | Terphenyl-d14              | 0.879 | 0.846 | 3.8   | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.717 | 0.718 | -0.1  | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.211 | 1.200 | 0.9   | 107   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.444 | 0.437 | 1.6   | 103   | 0.00     |
| 82   | Chrysene                   | 1.153 | 1.140 | 1.1   | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.987 | 0.913 | 7.5   | 97    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.589 | 1.471 | 7.4   | 100   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.922 | 0.881 | 4.4   | 110   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.230 | 1.211 | 1.5   | 102   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.215 | 1.198 | 1.4  | 105   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.129 | 1.111 | 1.6  | 104   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.903 | 0.900 | 0.3  | 108   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 0.893 | 0.940 | -5.3 | 114   | 0.00     |

(#) = Out of Range

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