

Data Path : Z:\HPCHEM1\BNA F\Data\BF060717\  
 Data File : BF095744.D  
 Acq On : 7 Jun 2017 14:05  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 08 04:04:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 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  | 71    | 0.02     |
| 2    | 1,4-Dioxane                 | 0.597 | 0.563 | 5.7  | 65    | 0.00     |
| 3    | Pyridine                    | 1.403 | 1.347 | 4.0  | 66    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.534 | 0.520 | 2.6  | 67    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.255 | 1.304 | -3.9 | 68    | 0.01     |
| 6    | Aniline                     | 1.966 | 1.998 | -1.6 | 68    | 0.02     |
| 7 S  | Phenol-d6                   | 1.503 | 1.558 | -3.7 | 68    | 0.01     |
| 8    | 2-Chlorophenol              | 1.335 | 1.398 | -4.7 | 69    | 0.01     |
| 9    | Benzaldehyde                | 1.014 | 1.010 | 0.4  | 67    | 0.01     |
| 10 C | Phenol                      | 1.559 | 1.639 | -5.1 | 67    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.235 | 1.315 | -6.5 | 70    | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.511 | 1.548 | -2.4 | 72    | 0.02     |
| 13 C | 1,4-Dichlorobenzene         | 1.532 | 1.597 | -4.2 | 72    | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 1.412 | 1.504 | -6.5 | 73    | 0.01     |
| 15   | Benzyl Alcohol              | 1.031 | 1.089 | -5.6 | 71    | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.735 | 1.767 | -1.8 | 70    | 0.02     |
| 17   | 2-Methylphenol              | 1.120 | 1.149 | -2.6 | 70    | 0.01     |
| 18   | Hexachloroethane            | 0.506 | 0.531 | -4.9 | 72    | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.952 | 1.006 | -5.7 | 72    | 0.02     |
| 20   | 3+4-Methylphenols           | 1.422 | 1.529 | -7.5 | 73    | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 71    | 0.02     |
| 22   | Acetophenone                | 0.468 | 0.479 | -2.4 | 72    | 0.02     |
| 23 S | Nitrobenzene-d5             | 0.322 | 0.327 | -1.6 | 71    | 0.02     |
| 24   | Nitrobenzene                | 0.344 | 0.347 | -0.9 | 71    | 0.01     |
| 25   | Isophorone                  | 0.601 | 0.604 | -0.5 | 71    | 0.02     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.192 | -6.7 | 73    | 0.02     |
| 27   | 2,4-Dimethylphenol          | 0.280 | 0.288 | -2.9 | 73    | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.396 | 0.405 | -2.3 | 71    | 0.02     |
| 29 C | 2,4-Dichlorophenol          | 0.269 | 0.284 | -5.6 | 74    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.280 | 0.293 | -4.6 | 74    | 0.01     |
| 31   | Naphthalene                 | 1.004 | 1.021 | -1.7 | 73    | 0.02     |
| 32   | Benzoic acid                | 0.161 | 0.166 | -3.1 | 69    | 0.01     |
| 33   | 4-Chloroaniline             | 0.392 | 0.409 | -4.3 | 74    | 0.02     |
| 34 C | Hexachlorobutadiene         | 0.145 | 0.153 | -5.5 | 75    | 0.01     |
| 35   | Caprolactam                 | 0.080 | 0.085 | -6.3 | 71    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.282 | 0.290 | -2.8 | 72    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.678 | 0.690 | -1.8 | 73    | 0.02     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 78    | 0.02     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.599 | 0.608 | -1.5 | 75    | 0.02     |
| 40 P | Hexachlorocyclopentadiene   | 0.138 | 0.130 | 5.8  | 67    | 0.01     |
| 41 S | 2,4,6-Tribromophenol        | 0.177 | 0.182 | -2.8 | 78    | 0.01     |
| 42 C | 2,4,6-Trichlorophenol       | 0.385 | 0.396 | -2.9 | 74    | 0.01     |
| 43   | 2,4,5-Trichlorophenol       | 0.409 | 0.410 | -0.2 | 70    | 0.01     |
| 44 S | 2-Fluorobiphenyl            | 1.437 | 1.440 | -0.2 | 76    | 0.02     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.648 | 1.646 | 0.1  | 74    | 0.02     |
| 46   | 2-Chloronaphthalene        | 1.288 | 1.283 | 0.4  | 74    | 0.01     |
| 47   | 2-Nitroaniline             | 0.377 | 0.372 | 1.3  | 68    | 0.02     |
| 48   | Acenaphthylene             | 2.202 | 2.180 | 1.0  | 72    | 0.02     |
| 49   | Dimethylphthalate          | 1.519 | 1.504 | 1.0  | 73    | 0.01     |
| 50   | 2,6-Dinitrotoluene         | 0.331 | 0.332 | -0.3 | 70    | 0.01     |
| 51 C | Acenaphthene               | 1.272 | 1.268 | 0.3  | 77    | 0.01     |
| 52   | 3-Nitroaniline             | 0.386 | 0.382 | 1.0  | 76    | 0.02     |
| 53 P | 2,4-Dinitrophenol          | 0.160 | 0.165 | -3.1 | 77    | 0.01     |
| 54   | Dibenzofuran               | 1.790 | 1.792 | -0.1 | 78    | 0.02     |
| 55 P | 4-Nitrophenol              | 0.201 | 0.189 | 6.0  | 68    | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 0.447 | 0.455 | -1.8 | 76    | 0.01     |
| 57   | Fluorene                   | 1.558 | 1.561 | -0.2 | 78    | 0.02     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.280 | 0.290 | -3.6 | 77    | 0.01     |
| 59   | Diethylphthalate           | 1.461 | 1.460 | 0.1  | 77    | 0.02     |
| 60   | 4-Chlorophenyl-phenylether | 0.677 | 0.680 | -0.4 | 77    | 0.02     |
| 61   | 4-Nitroaniline             | 0.360 | 0.360 | 0.0  | 75    | 0.02     |
| 62   | Azobenzene                 | 1.324 | 1.279 | 3.4  | 75    | 0.01     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 75    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.131 | 0.137 | -4.6 | 75    | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 0.719 | 0.718 | 0.1  | 77    | 0.02     |
| 66   | 4-Bromophenyl-phenylether  | 0.208 | 0.208 | 0.0  | 75    | 0.01     |
| 67   | Hexachlorobenzene          | 0.205 | 0.213 | -3.9 | 78    | 0.01     |
| 68   | Atrazine                   | 0.200 | 0.206 | -3.0 | 79    | 0.01     |
| 69 C | Pentachlorophenol          | 0.067 | 0.070 | -4.5 | 77    | 0.01     |
| 70   | Phenanthrene               | 1.154 | 1.164 | -0.9 | 78    | 0.01     |
| 71   | Anthracene                 | 1.205 | 1.221 | -1.3 | 79    | 0.02     |
| 72   | Carbazole                  | 1.174 | 1.201 | -2.3 | 77    | 0.02     |
| 73   | Di-n-butylphthalate        | 1.249 | 1.322 | -5.8 | 79    | 0.02     |
| 74 C | Fluoranthene               | 1.142 | 1.176 | -3.0 | 78    | 0.01     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 78    | 0.01     |
| 76   | Benzidine                  | 0.768 | 0.728 | 5.2  | 72    | 0.01     |
| 77   | Pyrene                     | 1.492 | 1.521 | -1.9 | 79    | 0.01     |
| 78 S | Terphenyl-d14              | 0.806 | 0.825 | -2.4 | 80    | 0.01     |
| 79   | Butylbenzylphthalate       | 0.652 | 0.670 | -2.8 | 77    | 0.01     |
| 80   | Benzo(a)anthracene         | 1.163 | 1.194 | -2.7 | 78    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 0.413 | 0.433 | -4.8 | 79    | 0.01     |
| 82   | Chrysene                   | 1.162 | 1.156 | 0.5  | 76    | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.919 | 0.968 | -5.3 | 79    | 0.01     |
| 84 c | Di-n-octyl phthalate       | 1.515 | 1.570 | -3.6 | 78    | 0.01     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.994 | 0.904 | 9.1  | 75    | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 73    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 1.252 | 1.340 | -7.0 | 74    | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.197 | 1.183 | 1.2  | 74    | 0.01     |
| 89 C | Benzo(a)pyrene         | 1.151 | 1.163 | -1.0 | 74    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 0.976 | 0.933 | 4.4  | 74    | 0.02     |
| 91   | Benzo(a,h,i)perylene   | 0.995 | 0.940 | 5.5  | 73    | 0.02     |

(#) = Out of Range

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