

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\  
 Data File : BF090502.D  
 Acq On : 11 Oct 2016 15:23  
 Operator : UM/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF101116

Quant Time: Oct 11 16:16:56 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 16:14:43 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   | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.631 | 0.627 | 0.6   | 101   | 0.00     |
| 3    | Pyridine                    | 1.743 | 1.758 | -0.9  | 97    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.571 | 0.576 | -0.9  | 100   | 0.01     |
| 5 S  | 2-Fluorophenol              | 1.286 | 1.345 | -4.6  | 100   | 0.00     |
| 6    | Aniline                     | 2.058 | 2.043 | 0.7   | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.622 | 1.688 | -4.1  | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.368 | 1.398 | -2.2  | 103   | 0.00     |
| 9    | Benzaldehyde                | 1.022 | 1.042 | -2.0  | 101   | 0.00     |
| 10 C | Phenol                      | 1.830 | 2.054 | -12.2 | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.370 | 1.381 | -0.8  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.475 | 1.510 | -2.4  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.505 | 1.397 | 7.2   | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.368 | 1.463 | -6.9  | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.246 | 1.206 | 3.2   | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.963 | 1.872 | 4.6   | 98    | 0.00     |
| 17   | 2-Methylphenol              | 1.112 | 1.080 | 2.9   | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.556 | 0.549 | 1.3   | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.035 | 0.963 | 7.0   | 104   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.408 | 1.430 | -1.6  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                | 0.440 | 0.454 | -3.2  | 102   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.369 | 0.348 | 5.7   | 101   | 0.00     |
| 24   | Nitrobenzene                | 0.395 | 0.409 | -3.5  | 99    | 0.00     |
| 25   | Isophorone                  | 0.671 | 0.648 | 3.4   | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.192 | -6.7  | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.307 | 0.306 | 0.3   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.414 | 0.376 | 9.2   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.257 | 0.269 | -4.7  | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.295 | 0.280 | 5.1   | 101   | 0.00     |
| 31   | Naphthalene                 | 0.996 | 0.971 | 2.5   | 101   | 0.00     |
| 32   | Benzoic acid                | 0.242 | 0.257 | -6.2  | 100   | 0.00     |
| 33   | 4-Chloroaniline             | 0.422 | 0.417 | 1.2   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.165 | 0.159 | 3.6   | 98    | 0.00     |
| 35   | Caprolactam                 | 0.083 | 0.082 | 1.2   | 101   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.300 | 0.314 | -4.7  | 102   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.669 | 0.613 | 8.4   | 104   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.560 | 0.584 | -4.3  | 104   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.278 | 0.289 | -4.0  | 99    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.198 | 0.213 | -7.6  | 101   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.377 | 0.354 | 6.1   | 104   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.374 | 0.389 | -4.0  | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.190 | 1.206 | -1.3  | 102   | 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              | 1.527 | 1.621 | -6.2  | 101   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.137 | 1.203 | -5.8  | 103   | 0.00     |
| 47   | 2-Nitroaniline             | 0.405 | 0.425 | -4.9  | 100   | 0.00     |
| 48   | Acenaphthylene             | 1.834 | 1.706 | 7.0   | 101   | 0.00     |
| 49   | Dimethylphthalate          | 1.345 | 1.289 | 4.2   | 102   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.297 | 0.272 | 8.4   | 101   | 0.00     |
| 51 C | Acenaphthene               | 1.229 | 1.177 | 4.2   | 101   | 0.00     |
| 52   | 3-Nitroaniline             | 0.368 | 0.353 | 4.1   | 99    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.165 | 0.180 | -9.1  | 100   | 0.00     |
| 54   | Dibenzofuran               | 1.635 | 1.523 | 6.9   | 99    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.286 | 0.320 | -11.9 | 100   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.393 | 0.370 | 5.9   | 100   | 0.00     |
| 57   | Fluorene                   | 1.335 | 1.289 | 3.4   | 100   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.312 | 0.319 | -2.2  | 103   | 0.00     |
| 59   | Diethylphthalate           | 1.368 | 1.302 | 4.8   | 101   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.616 | 0.659 | -7.0  | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 0.376 | 0.404 | -7.4  | 100   | 0.00     |
| 62   | Azobenzene                 | 1.494 | 1.553 | -3.9  | 100   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.134 | 0.130 | 3.0   | 104   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.650 | 0.636 | 2.2   | 101   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.222 | 0.238 | -7.2  | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 0.245 | 0.246 | -0.4  | 100   | 0.00     |
| 68   | Atrazine                   | 0.201 | 0.183 | 9.0   | 98    | 0.00     |
| 69 C | Pentachlorophenol          | 0.146 | 0.141 | 3.4   | 101   | 0.00     |
| 70   | Phenanthrene               | 1.102 | 1.167 | -5.9  | 99    | 0.00     |
| 71   | Anthracene                 | 1.117 | 1.024 | 8.3   | 101   | 0.00     |
| 72   | Carbazole                  | 1.055 | 1.081 | -2.5  | 98    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.270 | 1.355 | -6.7  | 103   | 0.00     |
| 74 C | Fluoranthene               | 1.125 | 1.238 | -10.0 | 102   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 76   | Benzidine                  | 0.629 | 0.544 | 13.5  | 95    | 0.00     |
| 77   | Pyrene                     | 1.252 | 1.233 | 1.5   | 103   | 0.00     |
| 78 S | Terphenyl-d14              | 0.818 | 0.810 | 1.0   | 99    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.586 | 0.575 | 1.9   | 105   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.192 | 1.105 | 7.3   | 102   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.429 | 0.446 | -4.0  | 100   | 0.00     |
| 82   | Chrysene                   | 1.110 | 0.956 | 13.9  | 95    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.855 | 0.793 | 7.3   | 101   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.325 | 1.274 | 3.8   | 100   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.924 | 0.879 | 4.9   | 101   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.320 | 1.422 | -7.7  | 102   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.175 | 1.047 | 10.9 | 101   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.159 | 1.195 | -3.1 | 103   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.984 | 1.007 | -2.3 | 102   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.910 | 0.910 | 0.0  | 102   | 0.00     |

(#) = Out of Range

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