

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\  
 Data File : BF091185.D  
 Acq On : 15 Nov 2016 18:10  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 16 06:48:58 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 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   | 98    | -0.02    |
| 2    | 1,4-Dioxane                 | 0.693 | 0.680 | 1.9   | 97    | -0.06    |
| 3    | Pyridine                    | 1.621 | 1.857 | -14.6 | 106   | -0.06    |
| 4    | n-Nitrosodimethylamine      | 0.641 | 0.608 | 5.1   | 87    | -0.06    |
| 5 S  | 2-Fluorophenol              | 1.211 | 1.322 | -9.2  | 100   | -0.02    |
| 6    | Aniline                     | 1.939 | 1.959 | -1.0  | 89    | -0.02    |
| 7 S  | Phenol-d6                   | 1.644 | 1.559 | 5.2   | 87    | -0.02    |
| 8    | 2-Chlorophenol              | 1.445 | 1.487 | -2.9  | 97    | -0.03    |
| 9    | Benzaldehyde                | 0.912 | 0.884 | 3.1   | 91    | -0.02    |
| 10 C | Phenol                      | 1.819 | 1.787 | 1.8   | 95    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.533 | 1.523 | 0.7   | 95    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.461 | 1.501 | -2.7  | 95    | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.568 | 1.573 | -0.3  | 98    | -0.03    |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.541 | -7.1  | 97    | -0.02    |
| 15   | Benzyl Alcohol              | 1.159 | 1.208 | -4.2  | 97    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.195 | 1.958 | 10.8  | 87    | -0.03    |
| 17   | 2-Methylphenol              | 1.144 | 1.144 | 0.0   | 90    | -0.02    |
| 18   | Hexachloroethane            | 0.607 | 0.601 | 1.0   | 92    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.139 | 1.128 | 1.0   | 98    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.373 | 1.516 | -10.4 | 97    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 91    | -0.02    |
| 22   | Acetophenone                | 0.460 | 0.493 | -7.2  | 97    | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.367 | 0.369 | -0.5  | 94    | -0.03    |
| 24   | Nitrobenzene                | 0.405 | 0.430 | -6.2  | 90    | -0.02    |
| 25   | Isophorone                  | 0.706 | 0.701 | 0.7   | 93    | -0.02    |
| 26 C | 2-Nitrophenol               | 0.171 | 0.193 | -12.9 | 102   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.283 | 0.286 | -1.1  | 86    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.386 | 0.421 | -9.1  | 90    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.247 | 0.257 | -4.0  | 92    | -0.03    |
| 30   | 1,2,4-Trichlorobenzene      | 0.278 | 0.313 | -12.6 | 99    | -0.02    |
| 31   | Naphthalene                 | 0.956 | 1.032 | -7.9  | 95    | -0.02    |
| 32   | Benzoic acid                | 0.199 | 0.179 | 10.1  | 76    | -0.02    |
| 33   | 4-Chloroaniline             | 0.398 | 0.445 | -11.8 | 100   | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.150 | 0.165 | -10.0 | 102   | -0.03    |
| 35   | Caprolactam                 | 0.078 | 0.084 | -7.7  | 98    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.273 | 8.7   | 79    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.615 | 0.581 | 5.5   | 88    | -0.03    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 94    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.510 | 0.584 | -14.5 | 95    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.164 | 0.124 | 24.4  | 67    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.181 | 0.217 | -19.9 | 117   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.329 | 0.346 | -5.2  | 90    | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.346 | 0.380 | -9.8  | 97    | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.162 | 1.069 | 8.0   | 87    | -0.03    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.460 | 1.538 | -5.3  | 94    | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.109 | 1.183 | -6.7  | 94    | -0.02    |
| 47   | 2-Nitroaniline             | 0.411 | 0.364 | 11.4  | 74    | -0.02    |
| 48   | Acenaphthylene             | 1.728 | 1.799 | -4.1  | 96    | -0.02    |
| 49   | Dimethylphthalate          | 1.311 | 1.341 | -2.3  | 95    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.281 | 0.296 | -5.3  | 103   | -0.03    |
| 51 C | Acenaphthene               | 1.085 | 1.127 | -3.9  | 101   | -0.02    |
| 52   | 3-Nitroaniline             | 0.333 | 0.317 | 4.8   | 86    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 0.132 | 0.095 | 28.0# | 68    | -0.02    |
| 54   | Dibenzofuran               | 1.460 | 1.545 | -5.8  | 101   | -0.02    |
| 55 P | 4-Nitrophenol              | 0.186 | 0.155 | 16.7  | 71    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.358 | 0.397 | -10.9 | 92    | -0.02    |
| 57   | Fluorene                   | 1.194 | 1.305 | -9.3  | 100   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.271 | 0.324 | -19.6 | 98    | -0.02    |
| 59   | Diethylphthalate           | 1.345 | 1.426 | -6.0  | 95    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.543 | 0.559 | -2.9  | 87    | -0.03    |
| 61   | 4-Nitroaniline             | 0.337 | 0.345 | -2.4  | 89    | -0.02    |
| 62   | Azobenzene                 | 1.583 | 1.192 | 24.7  | 71    | -0.03    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 94    | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.113 | 7.4   | 88    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 0.636 | 0.651 | -2.4  | 102   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.208 | 0.251 | -20.7 | 123   | -0.02    |
| 67   | Hexachlorobenzene          | 0.229 | 0.264 | -15.3 | 103   | -0.02    |
| 68   | Atrazine                   | 0.183 | 0.198 | -8.2  | 91    | -0.02    |
| 69 C | Pentachlorophenol          | 0.102 | 0.092 | 9.8   | 82    | -0.02    |
| 70   | Phenanthrene               | 1.063 | 1.036 | 2.5   | 86    | -0.03    |
| 71   | Anthracene                 | 1.130 | 1.229 | -8.8  | 109   | -0.02    |
| 72   | Carbazole                  | 1.019 | 1.061 | -4.1  | 105   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.281 | 1.211 | 5.5   | 83    | -0.03    |
| 74 C | Fluoranthene               | 1.103 | 1.240 | -12.4 | 112   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 93    | -0.03    |
| 76   | Benzidine                  | 0.447 | 0.483 | -8.1  | 92    | -0.02    |
| 77   | Pyrene                     | 1.310 | 1.348 | -2.9  | 105   | -0.03    |
| 78 S | Terphenyl-d14              | 0.801 | 0.922 | -15.1 | 102   | -0.02    |
| 79   | Butylbenzylphthalate       | 0.627 | 0.714 | -13.9 | 106   | -0.03    |
| 80   | Benzo(a)anthracene         | 1.136 | 1.202 | -5.8  | 99    | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 0.399 | 0.466 | -16.8 | 109   | -0.02    |
| 82   | Chrysene                   | 1.120 | 1.310 | -17.0 | 105   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.848 | 0.969 | -14.3 | 103   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.394 | 1.606 | -15.2 | 101   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.929 | 0.948 | -2.0  | 99    | -0.06    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 96    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.356 | 1.330 | 1.9   | 85    | -0.03    |

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| 88   | Benzo(k)fluoranthene   | 1.190 | 1.433 | -20.4 | 116   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.181 | 1.255 | -6.3  | 94    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 1.021 | 1.083 | -6.1  | 96    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 0.923 | 1.001 | -8.5  | 99    | -0.06    |

(#) = Out of Range

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