

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\  
 Data File : BF092438.D  
 Acq On : 24 Jan 2017 19:33  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 24 23:59:40 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 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  | 96    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.684 | 0.665 | 2.8  | 94    | -0.02    |
| 3    | Pyridine                    | 1.946 | 1.923 | 1.2  | 96    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.955 | 0.897 | 6.1  | 90    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.285 | 1.171 | 8.9  | 89    | 0.00     |
| 6    | Aniline                     | 2.442 | 2.290 | 6.2  | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 1.637 | 1.621 | 1.0  | 96    | 0.00     |
| 8    | 2-Chlorophenol              | 1.350 | 1.350 | 0.0  | 95    | 0.00     |
| 9    | Benzaldehyde                | 1.162 | 1.080 | 7.1  | 92    | 0.00     |
| 10 C | Phenol                      | 1.976 | 2.108 | -6.7 | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.479 | 1.524 | -3.0 | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.597 | 1.604 | -0.4 | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.607 | 1.601 | 0.4  | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.525 | 1.373 | 10.0 | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.234 | 1.113 | 9.8  | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.925 | 2.852 | 2.5  | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.154 | 1.147 | 0.6  | 94    | 0.00     |
| 18   | Hexachloroethane            | 0.554 | 0.543 | 2.0  | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.115 | 1.099 | 1.4  | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.400 | 1.423 | -1.6 | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 91    | -0.01    |
| 22   | Acetophenone                | 0.476 | 0.447 | 6.1  | 86    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.366 | 0.384 | -4.9 | 96    | 0.00     |
| 24   | Nitrobenzene                | 0.384 | 0.364 | 5.2  | 81    | -0.01    |
| 25   | Isophorone                  | 0.721 | 0.709 | 1.7  | 91    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.161 | 0.160 | 0.6  | 93    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.334 | 0.320 | 4.2  | 89    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.474 | 0.420 | 11.4 | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.290 | 0.279 | 3.8  | 89    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.313 | 0.303 | 3.2  | 94    | 0.00     |
| 31   | Naphthalene                 | 1.024 | 0.942 | 8.0  | 89    | 0.00     |
| 32   | Benzoic acid                | 0.231 | 0.240 | -3.9 | 87    | -0.01    |
| 33   | 4-Chloroaniline             | 0.433 | 0.391 | 9.7  | 88    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.171 | 0.174 | -1.8 | 94    | 0.00     |
| 35   | Caprolactam                 | 0.097 | 0.093 | 4.1  | 86    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.313 | 0.303 | 3.2  | 85    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.648 | 0.613 | 5.4  | 94    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.504 | 0.526 | -4.4 | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.253 | 0.256 | -1.2 | 89    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.136 | 0.132 | 2.9  | 90    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.387 | 0.369 | 4.7  | 91    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.354 | 0.356 | -0.6 | 89    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.082 | 1.051 | 2.9  | 88    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.446 | 1.305 | 9.8   | 92    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.181 | 1.069 | 9.5   | 86    | 0.00     |
| 47   | 2-Nitroaniline             | 0.398 | 0.367 | 7.8   | 86    | 0.00     |
| 48   | Acenaphthylene             | 1.732 | 1.801 | -4.0  | 96    | 0.00     |
| 49   | Dimethylphthalate          | 1.272 | 1.320 | -3.8  | 94    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.260 | 0.305 | -17.3 | 97    | 0.00     |
| 51 C | Acenaphthene               | 1.076 | 1.040 | 3.3   | 97    | 0.00     |
| 52   | 3-Nitroaniline             | 0.326 | 0.360 | -10.4 | 87    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.093 | 0.083 | 10.8  | 74    | -0.01    |
| 54   | Dibenzofuran               | 1.461 | 1.445 | 1.1   | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.259 | 0.247 | 4.6   | 77    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.345 | 0.388 | -12.5 | 107   | 0.00     |
| 57   | Fluorene                   | 1.084 | 1.062 | 2.0   | 98    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.265 | 0.282 | -6.4  | 100   | 0.00     |
| 59   | Diethylphthalate           | 1.220 | 1.216 | 0.3   | 96    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.526 | 0.504 | 4.2   | 89    | -0.01    |
| 61   | 4-Nitroaniline             | 0.326 | 0.322 | 1.2   | 89    | -0.01    |
| 62   | Azobenzene                 | 1.388 | 1.297 | 6.6   | 83    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 89    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.099 | 0.099 | 0.0   | 81    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.625 | 0.675 | -8.0  | 104   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.202 | 0.203 | -0.5  | 93    | -0.01    |
| 67   | Hexachlorobenzene          | 0.204 | 0.199 | 2.5   | 94    | 0.00     |
| 68   | Atrazine                   | 0.214 | 0.201 | 6.1   | 82    | -0.01    |
| 69 C | Pentachlorophenol          | 0.131 | 0.146 | -11.5 | 96    | 0.00     |
| 70   | Phenanthrene               | 1.101 | 1.036 | 5.9   | 88    | -0.01    |
| 71   | Anthracene                 | 1.076 | 1.129 | -4.9  | 98    | 0.00     |
| 72   | Carbazole                  | 1.028 | 0.931 | 9.4   | 81    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.175 | 1.296 | -10.3 | 104   | 0.00     |
| 74 C | Fluoranthene               | 1.077 | 1.062 | 1.4   | 95    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 82    | -0.01    |
| 76   | Benzidine                  | 0.742 | 0.769 | -3.6  | 81    | -0.01    |
| 77   | Pyrene                     | 1.449 | 1.494 | -3.1  | 96    | -0.01    |
| 78 S | Terphenyl-d14              | 0.751 | 0.728 | 3.1   | 91    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.587 | 0.727 | -23.9 | 98    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.075 | 1.029 | 4.3   | 83    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.408 | 0.429 | -5.1  | 85    | -0.01    |
| 82   | Chrysene                   | 1.148 | 1.117 | 2.7   | 88    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.739 | 0.866 | -17.2 | 98    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.342 | 1.596 | -18.9 | 92    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.849 | 0.942 | -11.0 | 94    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 77    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.284 | 1.328 | -3.4  | 77    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.068 | 1.000 | 6.4   | 81    | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.086 | 1.098 | -1.1  | 79    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 0.878 | 1.021 | -16.3 | 93    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 0.888 | 1.051 | -18.4 | 99    | -0.01    |

(#) = Out of Range

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