

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF072315\  
 Data File : BF080605.D  
 Acq On : 23 Jul 2015 22:10  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 24 01:01:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 23 19:10:33 2015  
 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.552 | 0.539 | 2.4  | 90    | 0.00     |
| 3    | Pyridine                    | 1.466 | 1.500 | -2.3 | 92    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.927 | 0.926 | 0.1  | 91    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.158 | 1.183 | -2.2 | 94    | 0.00     |
| 6    | Aniline                     | 2.069 | 2.147 | -3.8 | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.416 | 1.515 | -7.0 | 94    | 0.00     |
| 8    | 2-Chlorophenol              | 1.244 | 1.258 | -1.1 | 92    | 0.00     |
| 9    | Benzaldehyde                | 1.047 | 1.016 | 3.0  | 90    | 0.00     |
| 10 C | Phenol                      | 1.694 | 1.798 | -6.1 | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.176 | 1.152 | 2.0  | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.577 | 1.607 | -1.9 | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.548 | 1.507 | 2.6  | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.435 | 1.514 | -5.5 | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 1.247 | 1.294 | -3.8 | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.384 | 2.379 | 0.2  | 93    | 0.00     |
| 17   | 2-Methylphenol              | 0.980 | 0.956 | 2.4  | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.535 | 0.541 | -1.1 | 95    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.959 | 0.921 | 4.0  | 91    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.355 | 1.356 | -0.1 | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 0.487 | 0.480 | 1.4  | 90    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.353 | 0.376 | -6.5 | 96    | 0.00     |
| 24   | Nitrobenzene                | 0.377 | 0.391 | -3.7 | 93    | 0.00     |
| 25   | Isophorone                  | 0.654 | 0.643 | 1.7  | 90    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.135 | 0.130 | 3.7  | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.298 | 0.290 | 2.7  | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.361 | 0.354 | 1.9  | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.244 | 0.241 | 1.2  | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.317 | 0.321 | -1.3 | 99    | 0.00     |
| 31   | Naphthalene                 | 1.000 | 1.001 | -0.1 | 95    | 0.00     |
| 32   | Benzoic acid                | 0.127 | 0.125 | 1.6  | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 0.392 | 0.386 | 1.5  | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.184 | 0.5  | 96    | 0.00     |
| 35   | Caprolactam                 | 0.066 | 0.068 | -3.0 | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.290 | 0.295 | -1.7 | 89    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.560 | 0.563 | -0.5 | 94    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.676 | 0.701 | -3.7 | 93    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.356 | 0.379 | -6.5 | 96    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.158 | 0.164 | -3.8 | 91    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.379 | 0.371 | 2.1  | 89    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.383 | 0.392 | -2.3 | 92    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.378 | 1.414 | -2.6 | 95    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.628 | 1.744 | -7.1  | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.317 | 1.404 | -6.6  | 97    | 0.00     |
| 47   | 2-Nitroaniline             | 0.402 | 0.413 | -2.7  | 94    | 0.00     |
| 48   | Acenaphthylene             | 1.951 | 1.963 | -0.6  | 92    | 0.00     |
| 49   | Dimethylphthalate          | 1.471 | 1.531 | -4.1  | 91    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.275 | 0.299 | -8.7  | 94    | 0.00     |
| 51 C | Acenaphthene               | 1.172 | 1.164 | 0.7   | 92    | 0.00     |
| 52   | 3-Nitroaniline             | 0.299 | 0.296 | 1.0   | 93    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.076 | 0.068 | 10.5  | 86    | 0.00     |
| 54   | Dibenzofuran               | 1.694 | 1.723 | -1.7  | 91    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.216 | 0.240 | -11.1 | 104   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.345 | 0.388 | -12.5 | 96    | 0.00     |
| 57   | Fluorene                   | 1.360 | 1.339 | 1.5   | 87    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.298 | 0.314 | -5.4  | 89    | 0.00     |
| 59   | Diethylphthalate           | 1.373 | 1.368 | 0.4   | 98    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.611 | 0.627 | -2.6  | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 0.301 | 0.292 | 3.0   | 90    | 0.00     |
| 62   | Azobenzene                 | 1.439 | 1.518 | -5.5  | 92    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.065 | 0.068 | -4.6  | 94    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.656 | 0.750 | -14.3 | 96    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.203 | 0.221 | -8.9  | 92    | 0.00     |
| 67   | Hexachlorobenzene          | 0.230 | 0.239 | -3.9  | 91    | 0.00     |
| 68   | Atrazine                   | 0.180 | 0.209 | -16.1 | 91    | 0.00     |
| 69 C | Pentachlorophenol          | 0.107 | 0.118 | -10.3 | 95    | 0.00     |
| 70   | Phenanthrene               | 1.129 | 1.217 | -7.8  | 91    | 0.00     |
| 71   | Anthracene                 | 1.057 | 1.190 | -12.6 | 97    | 0.00     |
| 72   | Carbazole                  | 0.914 | 1.002 | -9.6  | 91    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.062 | 1.110 | -4.5  | 85    | -0.01    |
| 74 C | Fluoranthene               | 1.010 | 1.158 | -14.7 | 95    | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 94    | -0.13    |
| 76   | Benzidine                  | 0.588 | 0.573 | 2.6   | 88    | -0.03    |
| 77   | Pyrene                     | 1.342 | 1.335 | 0.5   | 93    | -0.03    |
| 78 S | Terphenyl-d14              | 0.956 | 0.927 | 3.0   | 91    | -0.05    |
| 79   | Butylbenzylphthalate       | 0.444 | 0.421 | 5.2   | 83    | -0.08    |
| 80   | Benzo(a)anthracene         | 1.128 | 1.141 | -1.2  | 93    | -0.13    |
| 81   | 3,3'-Dichlorobenzidine     | 0.322 | 0.332 | -3.1  | 89    | -0.13    |
| 82   | Chrysene                   | 1.122 | 1.130 | -0.7  | 93    | -0.13    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.656 | 0.636 | 3.0   | 87    | -0.14    |
| 84 c | Di-n-octyl phthalate       | 0.829 | 0.816 | 1.6   | 85    | -0.22    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.849 | 0.701 | 17.4  | 72    | -0.26    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 86    | -0.25    |
| 87   | Benzo(b)fluoranthene       | 1.216 | 1.238 | -1.8  | 84    | -0.24    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.211 | 1.389 | -14.7 | 90    | -0.24    |
| 89 C | Benzo(a)pyrene         | 1.079 | 1.137 | -5.4  | 85    | -0.24    |
| 90   | Dibenzo(a,h)anthracene | 1.019 | 0.931 | 8.6   | 72    | -0.27    |
| 91   | Benzo(g,h,i)perylene   | 1.041 | 0.918 | 11.8  | 70    | -0.29    |

(#) = Out of Range

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