

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
 Data File : BF088512.D  
 Acq On : 30 Jun 2016 1:24  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 30 02:31:28 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 02:07:38 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    | 87    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.660 | 0.652 | 1.2    | 90    | -0.01    |
| 3    | Pyridine                    | 1.920 | 1.893 | 1.4    | 88    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.756 | 0.759 | -0.4   | 87    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.292 | 1.318 | -2.0   | 87    | -0.01    |
| 6    | Aniline                     | 2.412 | 2.404 | 0.3    | 83    | 0.00     |
| 7 S  | Phenol-d6                   | 1.652 | 1.719 | -4.1   | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.418 | 1.449 | -2.2   | 91    | 0.00     |
| 9    | Benzaldehyde                | 0.663 | 0.746 | -12.5  | 89    | 0.00     |
| 10 C | Phenol                      | 1.846 | 2.069 | -12.1  | 83    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.496 | 1.446 | 3.3    | 93    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.494 | 1.575 | -5.4   | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.523 | 1.565 | -2.8   | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.399 | 1.409 | -0.7   | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 1.366 | 1.335 | 2.3    | 81    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.173 | 2.034 | 6.4    | 85    | 0.00     |
| 17   | 2-Methylphenol              | 1.206 | 1.157 | 4.1    | 82    | 0.00     |
| 18   | Hexachloroethane            | 0.587 | 0.570 | 2.9    | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.124 | 1.141 | -1.5   | 90    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.332 | 1.415 | -6.2   | 93    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 84    | -0.01    |
| 22   | Acetophenone                | 0.482 | 0.463 | 3.9    | 85    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.381 | 0.408 | -7.1   | 84    | -0.01    |
| 24   | Nitrobenzene                | 0.409 | 0.420 | -2.7   | 93    | 0.00     |
| 25   | Isophorone                  | 0.769 | 0.744 | 3.3    | 81    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.133 | 0.174 | -30.8# | 93    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.345 | 0.320 | 7.2    | 82    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.474 | 0.483 | -1.9   | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.297 | -6.8   | 85    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.306 | 0.304 | 0.7    | 85    | 0.00     |
| 31   | Naphthalene                 | 1.015 | 1.018 | -0.3   | 83    | -0.01    |
| 32   | Benzoic acid                | 0.145 | 0.126 | 13.1   | 89    | -0.01    |
| 33   | 4-Chloroaniline             | 0.453 | 0.443 | 2.2    | 81    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.158 | 0.153 | 3.2    | 84    | 0.00     |
| 35   | Caprolactam                 | 0.085 | 0.082 | 3.5    | 81    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.309 | 0.284 | 8.1    | 75    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.624 | 0.686 | -9.9   | 85    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.601 | 0.555 | 7.7    | 84    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.320 | 0.351 | -9.7   | 83    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.153 | 0.157 | -2.6   | 82    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.399 | 0.437 | -9.5   | 85    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.399 | 0.453 | -13.5  | 87    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.363 | 1.447 | -6.2   | 90    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.779 | 1.642 | 7.7    | 80    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.391 | 1.300 | 6.5    | 83    | 0.00     |
| 47   | 2-Nitroaniline             | 0.380 | 0.393 | -3.4   | 84    | 0.00     |
| 48   | Acenaphthylene             | 2.111 | 2.154 | -2.0   | 78    | 0.00     |
| 49   | Dimethylphthalate          | 1.522 | 1.623 | -6.6   | 90    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.301 | 0.350 | -16.3  | 80    | 0.00     |
| 51 C | Acenaphthene               | 1.243 | 1.301 | -4.7   | 79    | 0.00     |
| 52   | 3-Nitroaniline             | 0.342 | 0.350 | -2.3   | 85    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.048 | 0.076 | -58.3# | 92    | 0.00     |
| 54   | Dibenzofuran               | 1.834 | 1.863 | -1.6   | 80    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.234 | 0.239 | -2.1   | 81    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.376 | 0.374 | 0.5    | 68    | -0.01    |
| 57   | Fluorene                   | 1.398 | 1.199 | 14.2   | 76    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.300 | 0.305 | -1.7   | 77    | 0.00     |
| 59   | Diethylphthalate           | 1.430 | 1.531 | -7.1   | 82    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.594 | 0.589 | 0.8    | 84    | 0.00     |
| 61   | 4-Nitroaniline             | 0.290 | 0.281 | 3.1    | 68    | -0.01    |
| 62   | Azobenzene                 | 1.861 | 2.015 | -8.3   | 82    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.051 | 0.081 | -58.8# | 95    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.716 | 0.684 | 4.5    | 80    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.216 | 0.219 | -1.4   | 76    | 0.00     |
| 67   | Hexachlorobenzene          | 0.220 | 0.223 | -1.4   | 84    | 0.00     |
| 68   | Atrazine                   | 0.207 | 0.188 | 9.2    | 71    | 0.00     |
| 69 C | Pentachlorophenol          | 0.099 | 0.116 | -17.2  | 80    | 0.00     |
| 70   | Phenanthrene               | 1.090 | 1.141 | -4.7   | 85    | 0.00     |
| 71   | Anthracene                 | 1.203 | 1.078 | 10.4   | 73    | -0.01    |
| 72   | Carbazole                  | 0.934 | 1.016 | -8.8   | 78    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.199 | 1.278 | -6.6   | 77    | 0.00     |
| 74 C | Fluoranthene               | 0.945 | 0.942 | 0.3    | 76    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 76   | Benzidine                  | 0.546 | 0.658 | -20.5  | 93    | 0.00     |
| 77   | Pyrene                     | 1.725 | 1.654 | 4.1    | 85    | 0.00     |
| 78 S | Terphenyl-d14              | 1.004 | 0.845 | 15.8   | 74    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.720 | 0.747 | -3.8   | 86    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.350 | 1.400 | -3.7   | 92    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.447 | 0.491 | -9.8   | 97    | 0.00     |
| 82   | Chrysene                   | 1.253 | 1.420 | -13.3  | 98    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 1.001 | 1.012 | -1.1   | 82    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.712 | 1.845 | -7.8   | 94    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.634 | 1.716 | -5.0   | 101   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.158 | 1.289 | -11.3  | 103   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.037 | 0.878 | 15.3 | 97    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.109 | 1.073 | 3.2  | 98    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.125 | 1.132 | -0.6 | 100   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.178 | 1.163 | 1.3  | 99    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1