

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\  
 Data File : BF087923.D  
 Acq On : 12 Jun 2016 2:25  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 05:59:35 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 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   | 92    | 0.01     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.570 | -0.4  | 95    | 0.02     |
| 3    | Pyridine                    | 1.342 | 1.287 | 4.1   | 86    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.568 | 0.497 | 12.5  | 81    | 0.02     |
| 5 S  | 2-Fluorophenol              | 1.170 | 1.067 | 8.8   | 85    | 0.00     |
| 6    | Aniline                     | 2.018 | 2.054 | -1.8  | 94    | 0.01     |
| 7 S  | Phenol-d6                   | 1.418 | 1.517 | -7.0  | 103   | 0.01     |
| 8    | 2-Chlorophenol              | 1.385 | 1.318 | 4.8   | 90    | 0.00     |
| 9    | Benzaldehyde                | 0.923 | 0.817 | 11.5  | 87    | 0.01     |
| 10 C | Phenol                      | 1.665 | 1.766 | -6.1  | 116   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.243 | 1.304 | -4.9  | 104   | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.486 | 1.434 | 3.5   | 89    | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 1.497 | 1.510 | -0.9  | 98    | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 1.361 | 1.279 | 6.0   | 85    | 0.00     |
| 15   | Benzyl Alcohol              | 1.109 | 1.010 | 8.9   | 81    | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.680 | 1.688 | -0.5  | 92    | 0.01     |
| 17   | 2-Methylphenol              | 1.123 | 1.124 | -0.1  | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.531 | 0.510 | 4.0   | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.907 | 1.002 | -10.5 | 111   | 0.01     |
| 20   | 3+4-Methylphenols           | 1.310 | 1.192 | 9.0   | 90    | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 98    | 0.01     |
| 22   | Acetophenone                | 0.447 | 0.417 | 6.7   | 94    | 0.01     |
| 23 S | Nitrobenzene-d5             | 0.343 | 0.323 | 5.8   | 91    | 0.01     |
| 24   | Nitrobenzene                | 0.332 | 0.356 | -7.2  | 114   | 0.01     |
| 25   | Isophorone                  | 0.634 | 0.613 | 3.3   | 93    | 0.01     |
| 26 C | 2-Nitrophenol               | 0.178 | 0.189 | -6.2  | 90    | 0.01     |
| 27   | 2,4-Dimethylphenol          | 0.327 | 0.310 | 5.2   | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.393 | 0.410 | -4.3  | 99    | 0.01     |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.289 | -5.9  | 102   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.297 | 0.273 | 8.1   | 93    | 0.01     |
| 31   | Naphthalene                 | 0.990 | 0.887 | 10.4  | 92    | 0.01     |
| 32   | Benzoic acid                | 0.180 | 0.191 | -6.1  | 89    | 0.01     |
| 33   | 4-Chloroaniline             | 0.442 | 0.457 | -3.4  | 94    | 0.01     |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.153 | 2.5   | 92    | 0.01     |
| 35   | Caprolactam                 | 0.090 | 0.090 | 0.0   | 88    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.292 | 0.289 | 1.0   | 99    | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.652 | 0.652 | 0.0   | 93    | 0.01     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 96    | 0.01     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.583 | 0.493 | 15.4  | 94    | 0.01     |
| 40 P | Hexachlorocyclopentadiene   | 0.323 | 0.267 | 17.3  | 79    | 0.01     |
| 41 S | 2,4,6-Tribromophenol        | 0.211 | 0.188 | 10.9  | 84    | 0.01     |
| 42 C | 2,4,6-Trichlorophenol       | 0.400 | 0.389 | 2.8   | 92    | 0.01     |
| 43   | 2,4,5-Trichlorophenol       | 0.416 | 0.383 | 7.9   | 92    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.502 | 1.220 | 18.8  | 94    | 0.01     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.613 | 1.448 | 10.2   | 94    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.294 | 1.171 | 9.5    | 94    | 0.00     |
| 47   | 2-Nitroaniline             | 0.382 | 0.405 | -6.0   | 94    | 0.01     |
| 48   | Acenaphthylene             | 2.059 | 1.953 | 5.1    | 93    | 0.01     |
| 49   | Dimethylphthalate          | 1.449 | 1.253 | 13.5   | 92    | 0.01     |
| 50   | 2,6-Dinitrotoluene         | 0.332 | 0.291 | 12.3   | 93    | 0.01     |
| 51 C | Acenaphthene               | 1.284 | 1.253 | 2.4    | 94    | 0.01     |
| 52   | 3-Nitroaniline             | 0.383 | 0.396 | -3.4   | 96    | 0.01     |
| 53 P | 2,4-Dinitrophenol          | 0.122 | 0.168 | -37.7# | 96    | 0.01     |
| 54   | Dibenzofuran               | 1.769 | 1.763 | 0.3    | 94    | 0.01     |
| 55 P | 4-Nitrophenol              | 0.297 | 0.312 | -5.1   | 89    | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 0.426 | 0.381 | 10.6   | 93    | 0.00     |
| 57   | Fluorene                   | 1.378 | 1.243 | 9.8    | 97    | 0.01     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.327 | 0.324 | 0.9    | 90    | 0.01     |
| 59   | Diethylphthalate           | 1.466 | 1.327 | 9.5    | 91    | 0.01     |
| 60   | 4-Chlorophenyl-phenylether | 0.588 | 0.501 | 14.8   | 90    | 0.01     |
| 61   | 4-Nitroaniline             | 0.363 | 0.384 | -5.8   | 93    | 0.01     |
| 62   | Azobenzene                 | 1.450 | 1.377 | 5.0    | 91    | 0.01     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 94    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.108 | 0.127 | -17.6  | 85    | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 0.664 | 0.682 | -2.7   | 95    | 0.01     |
| 66   | 4-Bromophenyl-phenylether  | 0.215 | 0.213 | 0.9    | 90    | 0.01     |
| 67   | Hexachlorobenzene          | 0.223 | 0.205 | 8.1    | 94    | 0.01     |
| 68   | Atrazine                   | 0.201 | 0.206 | -2.5   | 88    | 0.01     |
| 69 C | Pentachlorophenol          | 0.118 | 0.124 | -5.1   | 88    | 0.01     |
| 70   | Phenanthrene               | 1.049 | 1.025 | 2.3    | 102   | 0.00     |
| 71   | Anthracene                 | 1.059 | 1.084 | -2.4   | 92    | 0.01     |
| 72   | Carbazole                  | 0.991 | 0.988 | 0.3    | 103   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.254 | 1.164 | 7.2    | 87    | 0.01     |
| 74 C | Fluoranthene               | 1.108 | 0.921 | 16.9   | 77    | 0.01     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.01     |
| 76   | Benzidine                  | 0.554 | 0.631 | -13.9  | 102   | 0.01     |
| 77   | Pyrene                     | 1.484 | 1.315 | 11.4   | 80    | 0.01     |
| 78 S | Terphenyl-d14              | 0.879 | 0.672 | 23.5   | 71    | 0.01     |
| 79   | Butylbenzylphthalate       | 0.656 | 0.648 | 1.2    | 85    | 0.01     |
| 80   | Benzo(a)anthracene         | 1.140 | 0.996 | 12.6   | 85    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 0.306 | 0.318 | -3.9   | 87    | 0.01     |
| 82   | Chrysene                   | 1.072 | 0.963 | 10.2   | 86    | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.799 | 0.758 | 5.1    | 88    | 0.01     |
| 84 c | Di-n-octyl phthalate       | 1.298 | 1.364 | -5.1   | 95    | 0.01     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.996 | 0.881 | 11.5   | 80    | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 87    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 1.394 | 1.195 | 14.3   | 70    | 0.01     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.052 | 1.228 | -16.7 | 124   | 0.02     |
| 89 C | Benzo(a)pyrene         | 1.128 | 1.104 | 2.1   | 84    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 1.047 | 0.955 | 8.8   | 79    | 0.03     |
| 91   | Benzo(a,h,i)perylene   | 1.078 | 1.032 | 4.3   | 82    | 0.02     |

(#) = Out of Range

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