

Data Path : Z:\HPCHEM1\BNA F\Data\BF031815\  
 Data File : BF077790.D  
 Acq On : 18 Mar 2015 9:24  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 18 13:35:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 13:16:00 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.520 | 0.461 | 11.3  | 96    | 0.00     |
| 3    | Pyridine                    | 1.398 | 1.170 | 16.3  | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.609 | 0.510 | 16.3  | 85    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.146 | 1.108 | 3.3   | 109   | 0.00     |
| 6    | Aniline                     | 2.025 | 2.020 | 0.2   | 112   | 0.00     |
| 7 S  | Phenol-d6                   | 1.416 | 1.409 | 0.5   | 109   | 0.00     |
| 8    | 2-Chlorophenol              | 1.364 | 1.322 | 3.1   | 110   | 0.00     |
| 9    | Benzaldehyde                | 0.580 | 0.646 | -11.4 | 123   | 0.00     |
| 10 C | Phenol                      | 1.673 | 1.584 | 5.3   | 107   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.253 | 1.227 | 2.1   | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.517 | 1.473 | 2.9   | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.576 | 1.539 | 2.3   | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.445 | 1.388 | 3.9   | 110   | 0.00     |
| 15   | Benzyl Alcohol              | 1.105 | 1.025 | 7.2   | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.689 | 1.634 | 3.3   | 109   | 0.00     |
| 17   | 2-Methylphenol              | 1.110 | 1.082 | 2.5   | 107   | 0.00     |
| 18   | Hexachloroethane            | 0.517 | 0.496 | 4.1   | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.979 | 0.904 | 7.7   | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.457 | 1.382 | 5.1   | 108   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 22   | Acetophenone                | 0.443 | 0.436 | 1.6   | 108   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.305 | 0.320 | -4.9  | 117   | 0.00     |
| 24   | Nitrobenzene                | 0.329 | 0.342 | -4.0  | 119   | 0.00     |
| 25   | Isophorone                  | 0.616 | 0.599 | 2.8   | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.161 | 0.156 | 3.1   | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.293 | 0.287 | 2.0   | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.374 | 0.382 | -2.1  | 113   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.279 | 0.264 | 5.4   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.313 | 0.301 | 3.8   | 105   | 0.00     |
| 31   | Naphthalene                 | 1.027 | 0.956 | 6.9   | 102   | 0.00     |
| 32   | Benzoic acid                | 0.141 | 0.128 | 9.2   | 89    | 0.00     |
| 33   | 4-Chloroaniline             | 0.417 | 0.412 | 1.2   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.177 | 0.173 | 2.3   | 108   | 0.00     |
| 35   | Caprolactam                 | 0.082 | 0.083 | -1.2  | 110   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.281 | 0.277 | 1.4   | 109   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.690 | 0.655 | 5.1   | 102   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.597 | 0.552 | 7.5   | 101   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.254 | 0.250 | 1.6   | 98    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.191 | 0.172 | 9.9   | 96    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.413 | 0.381 | 7.7   | 96    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.446 | 0.412 | 7.6   | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.361 | 1.287 | 5.4   | 107   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.599 | 1.450 | 9.3  | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.299 | 1.246 | 4.1  | 106   | 0.00     |
| 47   | 2-Nitroaniline             | 0.323 | 0.314 | 2.8  | 100   | 0.00     |
| 48   | Acenaphthylene             | 2.161 | 2.070 | 4.2  | 107   | 0.00     |
| 49   | Dimethylphthalate          | 1.483 | 1.425 | 3.9  | 107   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.307 | 0.318 | -3.6 | 112   | 0.00     |
| 51 C | Acenaphthene               | 1.239 | 1.184 | 4.4  | 104   | 0.00     |
| 52   | 3-Nitroaniline             | 0.357 | 0.346 | 3.1  | 102   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.093 | 0.090 | 3.2  | 105   | 0.00     |
| 54   | Dibenzofuran               | 1.837 | 1.680 | 8.5  | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.265 | 0.246 | 7.2  | 94    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.401 | 0.397 | 1.0  | 107   | 0.00     |
| 57   | Fluorene                   | 1.526 | 1.414 | 7.3  | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.344 | 0.317 | 7.8  | 99    | 0.00     |
| 59   | Diethylphthalate           | 1.445 | 1.337 | 7.5  | 101   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.696 | 0.622 | 10.6 | 99    | 0.00     |
| 61   | 4-Nitroaniline             | 0.356 | 0.366 | -2.8 | 110   | 0.00     |
| 62   | Azobenzene                 | 1.381 | 1.299 | 5.9  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.078 | 0.085 | -9.0 | 104   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.666 | 0.634 | 4.8  | 101   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.213 | 0.201 | 5.6  | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 0.235 | 0.217 | 7.7  | 99    | 0.00     |
| 68   | Atrazine                   | 0.187 | 0.176 | 5.9  | 97    | 0.00     |
| 69 C | Pentachlorophenol          | 0.104 | 0.107 | -2.9 | 101   | 0.00     |
| 70   | Phenanthrene               | 1.148 | 1.103 | 3.9  | 104   | 0.00     |
| 71   | Anthracene                 | 1.134 | 1.093 | 3.6  | 107   | 0.00     |
| 72   | Carbazole                  | 1.079 | 1.052 | 2.5  | 109   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.210 | 1.125 | 7.0  | 101   | 0.00     |
| 74 C | Fluoranthene               | 1.266 | 1.242 | 1.9  | 100   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 110   | 0.00     |
| 76   | Benzidine                  | 0.546 | 0.567 | -3.8 | 122   | 0.00     |
| 77   | Pyrene                     | 1.258 | 1.211 | 3.7  | 98    | 0.00     |
| 78 S | Terphenyl-d14              | 0.819 | 0.755 | 7.8  | 96    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.496 | 0.471 | 5.0  | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.186 | 1.166 | 1.7  | 112   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.391 | 0.378 | 3.3  | 112   | 0.00     |
| 82   | Chrysene                   | 1.066 | 1.066 | 0.0  | 110   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.751 | 0.680 | 9.5  | 101   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.284 | 1.100 | 14.3 | 97    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.331 | 1.287 | 3.3  | 115   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 119   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.306 | 1.200 | 8.1  | 110   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.020 | 1.027 | -0.7 | 126   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.089 | 1.038 | 4.7  | 115   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.081 | 1.032 | 4.5  | 115   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.100 | 1.054 | 4.2  | 114   | 0.00     |

(#) = Out of Range

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