

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF020315\  
 Data File : BF077161.D  
 Acq On : 3 Feb 2015 12:14  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 04 12:40:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 03 23:50:37 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.521 | 0.463 | 11.1  | 104   | 0.00     |
| 3    | Pyridine                    | 1.348 | 1.365 | -1.3  | 94    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.668 | 0.683 | -2.2  | 113   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.216 | 1.156 | 4.9   | 101   | -0.02    |
| 6    | Aniline                     | 2.124 | 2.062 | 2.9   | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 1.535 | 1.474 | 4.0   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.402 | 1.381 | 1.5   | 103   | 0.00     |
| 9    | Benzaldehyde                | 0.894 | 0.838 | 6.3   | 119   | 0.00     |
| 10 C | Phenol                      | 1.629 | 1.517 | 6.9   | 95    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.275 | 1.265 | 0.8   | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.595 | 1.609 | -0.9  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.692 | 1.657 | 2.1   | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.559 | 1.572 | -0.8  | 107   | 0.00     |
| 15   | Benzyl Alcohol              | 1.242 | 1.267 | -2.0  | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.714 | 1.769 | -3.2  | 111   | 0.00     |
| 17   | 2-Methylphenol              | 1.146 | 1.101 | 3.9   | 100   | -0.02    |
| 18   | Hexachloroethane            | 0.588 | 0.612 | -4.1  | 110   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.074 | 1.074 | 0.0   | 104   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.517 | 1.374 | 9.4   | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.494 | -0.8  | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.361 | 0.356 | 1.4   | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.368 | 0.354 | 3.8   | 100   | 0.00     |
| 25   | Isophorone                  | 0.657 | 0.648 | 1.4   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.172 | 0.158 | 8.1   | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.282 | 0.7   | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.374 | 0.381 | -1.9  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.265 | 0.245 | 7.5   | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.294 | 0.294 | 0.0   | 102   | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.006 | 2.3   | 102   | 0.00     |
| 32   | Benzoic acid                | 0.158 | 0.129 | 18.4  | 85    | 0.00     |
| 33   | 4-Chloroaniline             | 0.416 | 0.400 | 3.8   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.179 | -2.3  | 106   | 0.00     |
| 35   | Caprolactam                 | 0.078 | 0.072 | 7.7   | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.303 | 0.296 | 2.3   | 102   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.703 | 0.700 | 0.4   | 106   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.494 | 0.486 | 1.6   | 105   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.202 | 0.244 | -20.8 | 107   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.162 | 0.159 | 1.9   | 99    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.360 | 0.340 | 5.6   | 96    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.367 | 0.316 | 13.9  | 87    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.314 | 1.344 | -2.3  | 107   | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.483 | 1.522 | -2.6  | 105   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.220 | 1.225 | -0.4  | 106   | 0.00     |
| 47   | 2-Nitroaniline             | 0.370 | 0.360 | 2.7   | 98    | 0.00     |
| 48   | Acenaphthylene             | 2.058 | 2.052 | 0.3   | 104   | 0.00     |
| 49   | Dimethylphthalate          | 1.418 | 1.451 | -2.3  | 109   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.283 | 0.299 | -5.7  | 104   | 0.00     |
| 51 C | Acenaphthene               | 1.168 | 1.155 | 1.1   | 104   | 0.00     |
| 52   | 3-Nitroaniline             | 0.339 | 0.326 | 3.8   | 95    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.095 | 0.094 | 1.1   | 96    | 0.00     |
| 54   | Dibenzofuran               | 1.701 | 1.686 | 0.9   | 105   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.222 | 0.177 | 20.3  | 81    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.384 | 0.408 | -6.2  | 104   | 0.00     |
| 57   | Fluorene                   | 1.441 | 1.435 | 0.4   | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.268 | 0.234 | 12.7  | 88    | 0.00     |
| 59   | Diethylphthalate           | 1.433 | 1.517 | -5.9  | 111   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.590 | 0.589 | 0.2   | 106   | 0.00     |
| 61   | 4-Nitroaniline             | 0.328 | 0.325 | 0.9   | 98    | 0.00     |
| 62   | Azobenzene                 | 1.494 | 1.552 | -3.9  | 109   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.104 | 0.112 | -7.7  | 95    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.713 | 0.737 | -3.4  | 107   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.203 | 0.208 | -2.5  | 104   | 0.00     |
| 67   | Hexachlorobenzene          | 0.214 | 0.222 | -3.7  | 111   | 0.00     |
| 68   | Atrazine                   | 0.216 | 0.223 | -3.2  | 101   | 0.00     |
| 69 C | Pentachlorophenol          | 0.082 | 0.069 | 15.9  | 85    | 0.00     |
| 70   | Phenanthrene               | 1.247 | 1.241 | 0.5   | 106   | 0.00     |
| 71   | Anthracene                 | 1.216 | 1.240 | -2.0  | 109   | 0.00     |
| 72   | Carbazole                  | 1.180 | 1.213 | -2.8  | 108   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.365 | 1.515 | -11.0 | 115   | 0.00     |
| 74 C | Fluoranthene               | 1.278 | 1.345 | -5.2  | 109   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 118   | 0.00     |
| 76   | Benzidine                  | 0.640 | 0.683 | -6.7  | 126   | 0.00     |
| 77   | Pyrene                     | 1.371 | 1.432 | -4.4  | 112   | 0.00     |
| 78 S | Terphenyl-d14              | 0.869 | 0.909 | -4.6  | 114   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.621 | 0.711 | -14.5 | 119   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.255 | 1.280 | -2.0  | 111   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.399 | 0.412 | -3.3  | 113   | 0.00     |
| 82   | Chrysene                   | 1.144 | 1.159 | -1.3  | 110   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.859 | 1.014 | -18.0 | 129   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.491 | 1.773 | -18.9 | 128   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.213 | 1.241 | -2.3  | 110   | -0.03    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 116   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 1.347 | 1.435 | -6.5  | 129   | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.177 | 1.111 | 5.6  | 96    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.188 | 1.195 | -0.6 | 110   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.090 | 1.136 | -4.2 | 114   | -0.03    |
| 91   | Benzo(g,h,i)perylene   | 1.084 | 1.120 | -3.3 | 113   | -0.02    |

(#) = Out of Range

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