

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052815\  
 Data File : BF079541.D  
 Acq On : 28 May 2015 13:33  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 29 17:46:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 18:41:08 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    | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.549 | 0.589 | -7.3   | 107   | 0.00     |
| 3    | Pyridine                    | 1.208 | 1.518 | -25.7# | 121   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.595 | 0.540 | 9.2    | 95    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.153 | 1.215 | -5.4   | 103   | 0.00     |
| 6    | Aniline                     | 2.086 | 2.143 | -2.7   | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 1.470 | 1.576 | -7.2   | 104   | 0.00     |
| 8    | 2-Chlorophenol              | 1.342 | 1.411 | -5.1   | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.868 | 0.855 | 1.5    | 102   | 0.00     |
| 10 C | Phenol                      | 1.731 | 1.839 | -6.2   | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.252 | 1.379 | -10.1  | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.487 | 1.540 | -3.6   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.517 | 1.541 | -1.6   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.409 | 1.455 | -3.3   | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.080 | 1.173 | -8.6   | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.832 | 1.937 | -5.7   | 105   | 0.00     |
| 17   | 2-Methylphenol              | 1.055 | 1.092 | -3.5   | 100   | 0.00     |
| 18   | Hexachloroethane            | 0.522 | 0.549 | -5.2   | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.034 | 1.101 | -6.5   | 108   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.449 | 1.503 | -3.7   | 101   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 22   | Acetophenone                | 0.448 | 0.465 | -3.8   | 105   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.346 | 0.370 | -6.9   | 106   | 0.00     |
| 24   | Nitrobenzene                | 0.341 | 0.343 | -0.6   | 103   | 0.00     |
| 25   | Isophorone                  | 0.631 | 0.666 | -5.5   | 104   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.161 | 0.178 | -10.6  | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.309 | -6.6   | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.391 | 0.411 | -5.1   | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.266 | 0.283 | -6.4   | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.276 | 0.288 | -4.3   | 104   | 0.00     |
| 31   | Naphthalene                 | 0.960 | 0.966 | -0.6   | 101   | 0.00     |
| 32   | Benzoic acid                | 0.180 | 0.221 | -22.8  | 119   | 0.00     |
| 33   | 4-Chloroaniline             | 0.401 | 0.437 | -9.0   | 108   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.161 | -2.5   | 100   | 0.00     |
| 35   | Caprolactam                 | 0.084 | 0.092 | -9.5   | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.276 | 0.306 | -10.9  | 111   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.666 | 0.706 | -6.0   | 106   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.559 | 0.555 | 0.7    | 107   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.121 | 0.110 | 9.1    | 106   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.220 | 0.230 | -4.5   | 110   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.391 | 0.391 | 0.0    | 106   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.389 | 0.402 | -3.3   | 115   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.402 | 1.363 | 2.8    | 104   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052815\  
 Data File : BF079541.D  
 Acq On : 28 May 2015 13:33  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 29 17:46:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 18:41:08 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.562 | 1.591 | -1.9   | 109   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.234 | 1.186 | 3.9    | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 0.367 | 0.372 | -1.4   | 109   | 0.00     |
| 48   | Acenaphthylene             | 2.048 | 2.006 | 2.1    | 105   | 0.00     |
| 49   | Dimethylphthalate          | 1.474 | 1.520 | -3.1   | 114   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.294 | 0.311 | -5.8   | 114   | 0.00     |
| 51 C | Acenaphthene               | 1.171 | 1.148 | 2.0    | 107   | 0.00     |
| 52   | 3-Nitroaniline             | 0.383 | 0.386 | -0.8   | 110   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.086 | 0.121 | -40.7# | 166#  | 0.00     |
| 54   | Dibenzofuran               | 1.727 | 1.745 | -1.0   | 110   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.212 | 0.251 | -18.4  | 146   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.395 | 0.418 | -5.8   | 110   | 0.00     |
| 57   | Fluorene                   | 1.424 | 1.442 | -1.3   | 107   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.283 | 0.309 | -9.2   | 116   | 0.00     |
| 59   | Diethylphthalate           | 1.443 | 1.527 | -5.8   | 116   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.615 | 0.623 | -1.3   | 107   | 0.00     |
| 61   | 4-Nitroaniline             | 0.357 | 0.390 | -9.2   | 120   | 0.00     |
| 62   | Azobenzene                 | 1.403 | 1.389 | 1.0    | 111   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.092 | 0.102 | -10.9  | 119   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.664 | 0.708 | -6.6   | 114   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.206 | 0.214 | -3.9   | 109   | 0.00     |
| 67   | Hexachlorobenzene          | 0.235 | 0.242 | -3.0   | 111   | 0.00     |
| 68   | Atrazine                   | 0.179 | 0.191 | -6.7   | 111   | 0.00     |
| 69 C | Pentachlorophenol          | 0.090 | 0.102 | -13.3  | 125   | 0.00     |
| 70   | Phenanthrene               | 1.097 | 1.122 | -2.3   | 111   | 0.00     |
| 71   | Anthracene                 | 1.114 | 1.156 | -3.8   | 111   | 0.00     |
| 72   | Carbazole                  | 1.072 | 1.054 | 1.7    | 106   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.316 | 1.379 | -4.8   | 117   | 0.00     |
| 74 C | Fluoranthene               | 1.177 | 1.220 | -3.7   | 111   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 76   | Benzidine                  | 0.428 | 0.499 | -16.6  | 126   | 0.00     |
| 77   | Pyrene                     | 1.239 | 1.310 | -5.7   | 114   | 0.00     |
| 78 S | Terphenyl-d14              | 0.852 | 0.929 | -9.0   | 114   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.557 | 0.640 | -14.9  | 123   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.151 | 1.161 | -0.9   | 110   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.421 | 0.471 | -11.9  | 118   | 0.00     |
| 82   | Chrysene                   | 1.094 | 1.134 | -3.7   | 111   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.798 | 0.973 | -21.9  | 130   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.389 | 1.700 | -22.4# | 132   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.407 | 1.487 | -5.7   | 115   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 109   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.141 | 1.335 | -17.0  | 132   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052815\  
Data File : BF079541.D  
Acq On : 28 May 2015 13:33  
Operator : TP/IZ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: May 29 17:46:39 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 28 18:41:08 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) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.020 | 0.963 | 5.6  | 91    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.096 | 1.103 | -0.6 | 111   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.191 | 1.173 | 1.5  | 116   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.200 | 1.155 | 3.7  | 111   | 0.00     |

(#) = Out of Range

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