

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF060715\  
 Data File : BF079814.D  
 Acq On : 7 Jun 2015 14:55  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 09 01:18:28 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 01:08:34 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    | 75    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.528 | 0.931 | -76.3# | 135   | 0.00     |
| 3    | Pyridine                    | 1.477 | 2.676 | -81.2# | 125   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.641 | 1.187 | -85.2# | 152#  | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.193 | 1.133 | 5.0    | 72    | 0.00     |
| 6    | Aniline                     | 2.237 | 2.084 | 6.8    | 70    | 0.00     |
| 7 S  | Phenol-d6                   | 1.541 | 1.448 | 6.0    | 71    | -0.01    |
| 8    | 2-Chlorophenol              | 1.292 | 1.284 | 0.6    | 76    | -0.01    |
| 9    | Benzaldehyde                | 0.998 | 0.887 | 11.1   | 67    | -0.01    |
| 10 C | Phenol                      | 1.678 | 1.501 | 10.5   | 67    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.301 | 1.272 | 2.2    | 74    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.617 | 1.494 | 7.6    | 70    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.716 | 1.621 | 5.5    | 72    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.603 | 1.414 | 11.8   | 68    | 0.00     |
| 15   | Benzyl Alcohol              | 1.274 | 1.160 | 8.9    | 70    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.968 | 1.802 | 8.4    | 71    | 0.00     |
| 17   | 2-Methylphenol              | 1.205 | 1.015 | 15.8   | 65    | 0.00     |
| 18   | Hexachloroethane            | 0.499 | 0.524 | -5.0   | 82    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.069 | 1.046 | 2.2    | 77    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.535 | 1.453 | 5.3    | 71    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 71    | -0.01    |
| 22   | Acetophenone                | 0.477 | 0.513 | -7.5   | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.326 | 0.332 | -1.8   | 70    | 0.00     |
| 24   | Nitrobenzene                | 0.325 | 0.333 | -2.5   | 73    | -0.01    |
| 25   | Isophorone                  | 0.665 | 0.712 | -7.1   | 78    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.137 | 0.118 | 13.9   | 62    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.308 | 0.323 | -4.9   | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.411 | 0.361 | 12.2   | 64    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.276 | 0.266 | 3.6    | 69    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.335 | 0.342 | -2.1   | 73    | 0.00     |
| 31   | Naphthalene                 | 1.049 | 1.052 | -0.3   | 74    | -0.01    |
| 32   | Benzoic acid                | 0.113 | 0.095 | 15.9   | 56    | 0.00     |
| 33   | 4-Chloroaniline             | 0.533 | 0.571 | -7.1   | 75    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.204 | 0.196 | 3.9    | 70    | -0.01    |
| 35   | Caprolactam                 | 0.084 | 0.075 | 10.7   | 62    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.309 | 0.287 | 7.1    | 66    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.667 | 0.719 | -7.8   | 78    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 68    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.623 | 0.709 | -13.8  | 78    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.268 | 0.331 | -23.5  | 84    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.191 | 0.203 | -6.3   | 68    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.414 | 0.412 | 0.5    | 68    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.436 | 0.493 | -13.1  | 77    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.476 | 1.487 | -0.7   | 70    | -0.01    |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.740 | 1.654 | 4.9   | 66    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.421 | 1.401 | 1.4   | 70    | -0.01    |
| 47   | 2-Nitroaniline             | 0.298 | 0.318 | -6.7  | 76    | -0.01    |
| 48   | Acenaphthylene             | 2.349 | 2.309 | 1.7   | 68    | -0.01    |
| 49   | Dimethylphthalate          | 1.541 | 1.740 | -12.9 | 80    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.247 | 0.301 | -21.9 | 85    | 0.00     |
| 51 C | Acenaphthene               | 1.330 | 1.333 | -0.2  | 70    | -0.01    |
| 52   | 3-Nitroaniline             | 0.325 | 0.348 | -7.1  | 75    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.062 | 0.060 | 3.2   | 67    | -0.01    |
| 54   | Dibenzofuran               | 1.884 | 1.889 | -0.3  | 68    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.243 | 0.264 | -8.6  | 74    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.293 | 0.339 | -15.7 | 78    | 0.00     |
| 57   | Fluorene                   | 1.630 | 1.685 | -3.4  | 73    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.353 | 0.341 | 3.4   | 62    | -0.01    |
| 59   | Diethylphthalate           | 1.507 | 1.728 | -14.7 | 82    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.739 | 0.707 | 4.3   | 66    | -0.01    |
| 61   | 4-Nitroaniline             | 0.323 | 0.358 | -10.8 | 79    | -0.01    |
| 62   | Azobenzene                 | 1.522 | 1.498 | 1.6   | 67    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 68    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.050 | 0.054 | -8.0  | 82    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.668 | 0.687 | -2.8  | 72    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.217 | 0.240 | -10.6 | 75    | 0.00     |
| 67   | Hexachlorobenzene          | 0.244 | 0.249 | -2.0  | 74    | -0.01    |
| 68   | Atrazine                   | 0.201 | 0.206 | -2.5  | 72    | -0.01    |
| 69 C | Pentachlorophenol          | 0.104 | 0.096 | 7.7   | 60    | -0.01    |
| 70   | Phenanthrene               | 1.171 | 1.189 | -1.5  | 71    | 0.00     |
| 71   | Anthracene                 | 1.155 | 1.192 | -3.2  | 71    | -0.01    |
| 72   | Carbazole                  | 1.097 | 1.128 | -2.8  | 73    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.244 | 1.294 | -4.0  | 74    | 0.00     |
| 74 C | Fluoranthene               | 1.282 | 1.272 | 0.8   | 68    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 65    | 0.06     |
| 76   | Benzidine                  | 0.631 | 0.412 | 34.7# | 45#   | 0.01     |
| 77   | Pyrene                     | 1.226 | 1.258 | -2.6  | 68    | 0.02     |
| 78 S | Terphenyl-d14              | 0.873 | 0.915 | -4.8  | 70    | 0.02     |
| 79   | Butylbenzylphthalate       | 0.489 | 0.478 | 2.2   | 64    | 0.03     |
| 80   | Benzo(a)anthracene         | 1.224 | 1.208 | 1.3   | 66    | 0.06     |
| 81   | 3,3'-Dichlorobenzidine     | 0.416 | 0.390 | 6.2   | 62    | 0.05     |
| 82   | Chrysene                   | 1.132 | 1.111 | 1.9   | 66    | 0.06     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.772 | 0.736 | 4.7   | 64    | 0.06     |
| 84 c | Di-n-octyl phthalate       | 1.360 | 1.201 | 11.7  | 60    | 0.08     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.310 | 1.189 | 9.2   | 61    | 0.06     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 61    | 0.07     |
| 87   | Benzo(b)fluoranthene       | 1.242 | 1.184 | 4.7   | 62    | 0.07     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.192 | 1.293 | -8.5 | 66    | 0.07     |
| 89 C | Benzo(a)pyrene         | 1.147 | 1.147 | 0.0  | 63    | 0.06     |
| 90   | Dibenzo(a,h)anthracene | 1.107 | 1.074 | 3.0  | 62    | 0.06     |
| 91   | Benzo(g,h,i)perylene   | 1.144 | 1.090 | 4.7  | 61    | 0.07     |

(#) = Out of Range

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