

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\  
 Data File : BF078857.D  
 Acq On : 30 Apr 2015 18:56  
 Operator : TP/IZ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF043015

Quant Time: Apr 30 19:32:41 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 19:07:47 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  | 104   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.505 | 0.496 | 1.8  | 103   | 0.00     |
| 3    | Pyridine                    | 1.478 | 1.331 | 9.9  | 100   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.633 | 0.625 | 1.3  | 106   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.162 | 1.119 | 3.7  | 103   | 0.00     |
| 6    | Aniline                     | 2.168 | 2.110 | 2.7  | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.536 | 1.409 | 8.3  | 102   | -0.01    |
| 8    | 2-Chlorophenol              | 1.318 | 1.237 | 6.1  | 106   | -0.01    |
| 9    | Benzaldehyde                | 1.035 | 0.992 | 4.2  | 104   | 0.00     |
| 10 C | Phenol                      | 1.782 | 1.732 | 2.8  | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.306 | 1.203 | 7.9  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.481 | 1.391 | 6.1  | 105   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.524 | 1.452 | 4.7  | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.419 | 1.359 | 4.2  | 105   | 0.00     |
| 15   | Benzyl Alcohol              | 1.140 | 1.058 | 7.2  | 103   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.998 | 1.891 | 5.4  | 106   | 0.00     |
| 17   | 2-Methylphenol              | 1.060 | 0.990 | 6.6  | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.525 | 0.505 | 3.8  | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.037 | 1.035 | 0.2  | 104   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.413 | 1.341 | 5.1  | 102   | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 104   | 0.00     |
| 22   | Acetophenone                | 0.452 | 0.413 | 8.6  | 102   | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.348 | 0.328 | 5.7  | 103   | -0.01    |
| 24   | Nitrobenzene                | 0.345 | 0.322 | 6.7  | 105   | -0.01    |
| 25   | Isophorone                  | 0.645 | 0.622 | 3.6  | 104   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.143 | 0.145 | -1.4 | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.286 | 0.277 | 3.1  | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.398 | 0.393 | 1.3  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.254 | 0.241 | 5.1  | 102   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.279 | 0.266 | 4.7  | 104   | 0.00     |
| 31   | Naphthalene                 | 0.953 | 0.881 | 7.6  | 102   | -0.01    |
| 32   | Benzoic acid                | 0.164 | 0.152 | 7.3  | 92    | -0.03    |
| 33   | 4-Chloroaniline             | 0.403 | 0.386 | 4.2  | 107   | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.161 | 0.154 | 4.3  | 106   | 0.00     |
| 35   | Caprolactam                 | 0.082 | 0.083 | -1.2 | 108   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.267 | 0.272 | -1.9 | 103   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.660 | 0.632 | 4.2  | 104   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 103   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.563 | 0.542 | 3.7  | 106   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.283 | 0.273 | 3.5  | 103   | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.216 | 0.212 | 1.9  | 101   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.387 | 0.388 | -0.3 | 105   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.392 | 0.389 | 0.8  | 105   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.436 | 1.391 | 3.1  | 104   | 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              | 1.590 | 1.519 | 4.5  | 106   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.240 | 1.160 | 6.5  | 105   | -0.01    |
| 47   | 2-Nitroaniline             | 0.359 | 0.341 | 5.0  | 99    | -0.01    |
| 48   | Acenaphthylene             | 2.036 | 1.940 | 4.7  | 104   | -0.01    |
| 49   | Dimethylphthalate          | 1.468 | 1.365 | 7.0  | 104   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.290 | 0.280 | 3.4  | 103   | 0.00     |
| 51 C | Acenaphthene               | 1.214 | 1.152 | 5.1  | 102   | -0.01    |
| 52   | 3-Nitroaniline             | 0.362 | 0.347 | 4.1  | 103   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.085 | 0.074 | 12.9 | 94    | -0.01    |
| 54   | Dibenzofuran               | 1.754 | 1.675 | 4.5  | 103   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.286 | 0.259 | 9.4  | 98    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.383 | 0.380 | 0.8  | 101   | 0.00     |
| 57   | Fluorene                   | 1.440 | 1.345 | 6.6  | 104   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.320 | 0.312 | 2.5  | 102   | 0.00     |
| 59   | Diethylphthalate           | 1.454 | 1.413 | 2.8  | 106   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.639 | 0.616 | 3.6  | 105   | 0.00     |
| 61   | 4-Nitroaniline             | 0.362 | 0.340 | 6.1  | 97    | -0.01    |
| 62   | Azobenzene                 | 1.433 | 1.396 | 2.6  | 103   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.080 | 0.073 | 8.8  | 96    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.666 | 0.651 | 2.3  | 102   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.208 | 0.200 | 3.8  | 105   | 0.00     |
| 67   | Hexachlorobenzene          | 0.238 | 0.224 | 5.9  | 104   | -0.01    |
| 68   | Atrazine                   | 0.194 | 0.183 | 5.7  | 103   | -0.01    |
| 69 C | Pentachlorophenol          | 0.120 | 0.118 | 1.7  | 102   | 0.00     |
| 70   | Phenanthrene               | 1.119 | 1.071 | 4.3  | 102   | 0.00     |
| 71   | Anthracene                 | 1.098 | 1.035 | 5.7  | 101   | -0.01    |
| 72   | Carbazole                  | 1.046 | 1.005 | 3.9  | 102   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.255 | 1.235 | 1.6  | 101   | -0.01    |
| 74 C | Fluoranthene               | 1.166 | 1.125 | 3.5  | 103   | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 97    | -0.01    |
| 76   | Benzidine                  | 0.539 | 0.546 | -1.3 | 96    | 0.00     |
| 77   | Pyrene                     | 1.152 | 1.151 | 0.1  | 103   | 0.00     |
| 78 S | Terphenyl-d14              | 0.835 | 0.830 | 0.6  | 103   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.504 | 0.510 | -1.2 | 96    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.095 | 1.065 | 2.7  | 99    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.390 | 0.394 | -1.0 | 99    | 0.00     |
| 82   | Chrysene                   | 1.053 | 1.003 | 4.7  | 101   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.763 | 0.806 | -5.6 | 101   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.344 | 1.332 | 0.9  | 101   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.342 | 1.323 | 1.4  | 101   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 101   | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.095 | 1.015 | 7.3  | 96    | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.060 | 1.090 | -2.8 | 106   | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.008 | 0.980 | 2.8  | 101   | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.071 | 1.045 | 2.4  | 101   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 1.074 | 1.035 | 3.6  | 101   | -0.02    |

(#) = Out of Range

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