

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\  
 Data File : BF082525.D  
 Acq On : 26 Oct 2015 21:49  
 Operator : UM/IZ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF102615

Quant Time: Oct 27 06:17:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:43:58 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  | 89    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.508 | 0.496 | 2.4  | 94    | 0.00     |
| 3    | Pyridine                    | 1.185 | 1.249 | -5.4 | 90    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.521 | 0.540 | -3.6 | 91    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.013 | 1.038 | -2.5 | 92    | 0.00     |
| 6    | Aniline                     | 1.664 | 1.664 | 0.0  | 91    | 0.00     |
| 7 S  | Phenol-d6                   | 1.320 | 1.281 | 3.0  | 91    | 0.00     |
| 8    | 2-Chlorophenol              | 1.188 | 1.240 | -4.4 | 94    | 0.00     |
| 9    | Benzaldehyde                | 0.688 | 0.690 | -0.3 | 91    | 0.00     |
| 10 C | Phenol                      | 1.499 | 1.364 | 9.0  | 90    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.190 | 1.149 | 3.4  | 93    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.417 | 1.403 | 1.0  | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.458 | 1.457 | 0.1  | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.354 | 1.257 | 7.2  | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 0.919 | 0.889 | 3.3  | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.611 | 1.624 | -0.8 | 92    | 0.00     |
| 17   | 2-Methylphenol              | 0.953 | 0.978 | -2.6 | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.496 | 0.504 | -1.6 | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.860 | 0.850 | 1.2  | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.218 | 1.234 | -1.3 | 93    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 22   | Acetophenone                | 0.434 | 0.428 | 1.4  | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.310 | 0.296 | 4.5  | 91    | 0.00     |
| 24   | Nitrobenzene                | 0.346 | 0.354 | -2.3 | 91    | 0.00     |
| 25   | Isophorone                  | 0.616 | 0.585 | 5.0  | 90    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.167 | 0.160 | 4.2  | 88    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.272 | 0.260 | 4.4  | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.361 | 0.340 | 5.8  | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.271 | 0.272 | -0.4 | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.307 | 0.296 | 3.6  | 92    | 0.00     |
| 31   | Naphthalene                 | 0.914 | 0.844 | 7.7  | 91    | -0.01    |
| 32   | Benzoic acid                | 0.152 | 0.124 | 18.4 | 72    | 0.00     |
| 33   | 4-Chloroaniline             | 0.354 | 0.362 | -2.3 | 90    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.177 | 0.167 | 5.6  | 92    | 0.00     |
| 35   | Caprolactam                 | 0.075 | 0.079 | -5.3 | 101   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.264 | 0.275 | -4.2 | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.617 | 0.607 | 1.6  | 92    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.604 | 0.579 | 4.1  | 90    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.115 | 0.122 | -6.1 | 89    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.150 | 0.152 | -1.3 | 93    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.376 | 0.378 | -0.5 | 91    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.395 | 0.408 | -3.3 | 91    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.258 | 1.215 | 3.4  | 96    | 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              | 1.488 | 1.548 | -4.0  | 90    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.173 | 1.209 | -3.1  | 94    | 0.00     |
| 47   | 2-Nitroaniline             | 0.341 | 0.323 | 5.3   | 90    | 0.00     |
| 48   | Acenaphthylene             | 1.879 | 1.800 | 4.2   | 93    | 0.00     |
| 49   | Dimethylphthalate          | 1.392 | 1.409 | -1.2  | 92    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.305 | 0.317 | -3.9  | 90    | 0.00     |
| 51 C | Acenaphthene               | 1.078 | 1.042 | 3.3   | 93    | 0.00     |
| 52   | 3-Nitroaniline             | 0.331 | 0.348 | -5.1  | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.112 | 0.108 | 3.6   | 88    | 0.00     |
| 54   | Dibenzofuran               | 1.572 | 1.477 | 6.0   | 91    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.113 | 0.120 | -6.2  | 88    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.370 | 0.366 | 1.1   | 94    | 0.00     |
| 57   | Fluorene                   | 1.291 | 1.225 | 5.1   | 94    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.302 | 0.326 | -7.9  | 99    | 0.00     |
| 59   | Diethylphthalate           | 1.354 | 1.333 | 1.6   | 90    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.607 | 0.556 | 8.4   | 90    | -0.01    |
| 61   | 4-Nitroaniline             | 0.332 | 0.353 | -6.3  | 90    | 0.00     |
| 62   | Azobenzene                 | 1.308 | 1.191 | 8.9   | 90    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.117 | 0.121 | -3.4  | 94    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.605 | 0.546 | 9.8   | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.188 | 0.173 | 8.0   | 90    | 0.00     |
| 67   | Hexachlorobenzene          | 0.200 | 0.208 | -4.0  | 95    | 0.00     |
| 68   | Atrazine                   | 0.187 | 0.194 | -3.7  | 95    | 0.00     |
| 69 C | Pentachlorophenol          | 0.068 | 0.069 | -1.5  | 85    | 0.00     |
| 70   | Phenanthrene               | 1.029 | 0.930 | 9.6   | 94    | 0.00     |
| 71   | Anthracene                 | 1.037 | 1.025 | 1.2   | 90    | 0.00     |
| 72   | Carbazole                  | 0.914 | 0.916 | -0.2  | 93    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.090 | 0.990 | 9.2   | 92    | 0.00     |
| 74 C | Fluoranthene               | 1.057 | 1.000 | 5.4   | 94    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 87    | -0.01    |
| 76   | Benzidine                  | 0.549 | 0.590 | -7.5  | 92    | 0.00     |
| 77   | Pyrene                     | 1.230 | 1.204 | 2.1   | 90    | 0.00     |
| 78 S | Terphenyl-d14              | 0.694 | 0.738 | -6.3  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.517 | 0.510 | 1.4   | 91    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.072 | 1.089 | -1.6  | 94    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.372 | 0.389 | -4.6  | 88    | 0.00     |
| 82   | Chrysene                   | 1.013 | 1.127 | -11.3 | 101   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.693 | 0.706 | -1.9  | 89    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.143 | 1.263 | -10.5 | 98    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.931 | 0.959 | -3.0  | 95    | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 95    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.188 | 1.061 | 10.7  | 88    | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 0.968 | 1.038 | -7.2 | 105   | -0.02    |
| 89 C | Benzo(a)pyrene         | 1.029 | 0.996 | 3.2  | 94    | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 0.861 | 0.843 | 2.1  | 96    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 0.852 | 0.789 | 7.4  | 93    | -0.02    |

(#) = Out of Range

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