

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF031816\  
 Data File : BF085544.D  
 Acq On : 19 Mar 2016 00:34  
 Operator : UM/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF031816

Quant Time: Mar 19 03:35:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 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   | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.579 | 0.568 | 1.9   | 94    | -0.01    |
| 3    | Pyridine                    | 1.421 | 1.540 | -8.4  | 106   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.593 | 0.602 | -1.5  | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.191 | 1.220 | -2.4  | 96    | 0.00     |
| 6    | Aniline                     | 2.051 | 2.032 | 0.9   | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.527 | 1.563 | -2.4  | 99    | 0.00     |
| 8    | 2-Chlorophenol              | 1.377 | 1.403 | -1.9  | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.768 | 0.724 | 5.7   | 100   | 0.00     |
| 10 C | Phenol                      | 1.739 | 1.836 | -5.6  | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.311 | 1.382 | -5.4  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.481 | 1.3   | 99    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.531 | 1.446 | 5.6   | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.359 | 1.411 | -3.8  | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 1.046 | 0.990 | 5.4   | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.725 | 1.766 | -2.4  | 97    | 0.00     |
| 17   | 2-Methylphenol              | 1.142 | 1.098 | 3.9   | 95    | 0.00     |
| 18   | Hexachloroethane            | 0.553 | 0.561 | -1.4  | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.912 | 0.887 | 2.7   | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.323 | 1.313 | 0.8   | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                | 0.475 | 0.448 | 5.7   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.345 | 0.356 | -3.2  | 96    | -0.01    |
| 24   | Nitrobenzene                | 0.377 | 0.379 | -0.5  | 104   | 0.00     |
| 25   | Isophorone                  | 0.690 | 0.678 | 1.7   | 98    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.186 | 0.214 | -15.1 | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.330 | 0.315 | 4.5   | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.392 | 0.406 | -3.6  | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.272 | 0.287 | -5.5  | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.305 | 0.293 | 3.9   | 97    | 0.00     |
| 31   | Naphthalene                 | 1.010 | 0.942 | 6.7   | 97    | 0.00     |
| 32   | Benzoic acid                | 0.276 | 0.274 | 0.7   | 95    | 0.00     |
| 33   | 4-Chloroaniline             | 0.414 | 0.428 | -3.4  | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.162 | 0.168 | -3.7  | 98    | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.100 | -6.4  | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.329 | -3.5  | 98    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.615 | 0.657 | -6.8  | 99    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.607 | 0.556 | 8.4   | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.273 | 0.287 | -5.1  | 98    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.196 | 0.206 | -5.1  | 102   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.415 | 0.408 | 1.7   | 99    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.423 | 0.410 | 3.1   | 93    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.250 | 1.288 | -3.0  | 98    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.725 | 1.606 | 6.9  | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.260 | 1.250 | 0.8  | 95    | 0.00     |
| 47   | 2-Nitroaniline             | 0.381 | 0.408 | -7.1 | 97    | 0.00     |
| 48   | Acenaphthylene             | 2.040 | 2.144 | -5.1 | 99    | 0.00     |
| 49   | Dimethylphthalate          | 1.509 | 1.452 | 3.8  | 97    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.319 | 0.293 | 8.2  | 96    | 0.00     |
| 51 C | Acenaphthene               | 1.280 | 1.309 | -2.3 | 98    | 0.00     |
| 52   | 3-Nitroaniline             | 0.399 | 0.400 | -0.3 | 105   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.195 | 0.185 | 5.1  | 97    | 0.00     |
| 54   | Dibenzofuran               | 1.559 | 1.648 | -5.7 | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.308 | 0.324 | -5.2 | 97    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.417 | 0.409 | 1.9  | 88    | -0.01    |
| 57   | Fluorene                   | 1.299 | 1.361 | -4.8 | 98    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.304 | 0.299 | 1.6  | 99    | 0.00     |
| 59   | Diethylphthalate           | 1.501 | 1.503 | -0.1 | 100   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.634 | 0.602 | 5.0  | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 0.393 | 0.414 | -5.3 | 94    | 0.00     |
| 62   | Azobenzene                 | 1.440 | 1.428 | 0.8  | 97    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 95    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.128 | 0.125 | 2.3  | 92    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.623 | 0.629 | -1.0 | 92    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.200 | 0.214 | -7.0 | 98    | 0.00     |
| 67   | Hexachlorobenzene          | 0.212 | 0.227 | -7.1 | 94    | 0.00     |
| 68   | Atrazine                   | 0.190 | 0.205 | -7.9 | 95    | 0.00     |
| 69 C | Pentachlorophenol          | 0.129 | 0.130 | -0.8 | 90    | 0.00     |
| 70   | Phenanthrene               | 1.055 | 1.105 | -4.7 | 95    | 0.00     |
| 71   | Anthracene                 | 1.106 | 0.995 | 10.0 | 95    | 0.00     |
| 72   | Carbazole                  | 0.954 | 1.014 | -6.3 | 97    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.195 | 1.268 | -6.1 | 97    | 0.00     |
| 74 C | Fluoranthene               | 1.104 | 1.055 | 4.4  | 95    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 76   | Benzidine                  | 0.673 | 0.649 | 3.6  | 92    | 0.00     |
| 77   | Pyrene                     | 1.436 | 1.348 | 6.1  | 88    | -0.01    |
| 78 S | Terphenyl-d14              | 0.831 | 0.762 | 8.3  | 97    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.685 | 0.646 | 5.7  | 89    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.161 | 1.111 | 4.3  | 95    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.426 | 0.400 | 6.1  | 93    | 0.00     |
| 82   | Chrysene                   | 1.117 | 1.085 | 2.9  | 86    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.850 | 0.793 | 6.7  | 91    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.386 | 1.391 | -0.4 | 94    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.933 | 0.835 | 10.5 | 93    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 91    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.305 | 1.178 | 9.7  | 91    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.075 | 1.241 | -15.4 | 88    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.106 | 1.116 | -0.9  | 90    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.923 | 0.897 | 2.8   | 92    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 0.893 | 0.855 | 4.3   | 92    | 0.00     |

(#) = Out of Range

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