

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
 Data File : BF080848.D  
 Acq On : 4 Aug 2015 20:18  
 Operator : TP/UM  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF080415

Quant Time: Aug 05 01:56:14 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 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   | 93    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.648 | 0.644 | 0.6   | 94    | 0.00     |
| 3    | Pyridine                    | 1.786 | 1.964 | -10.0 | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.916 | 0.918 | -0.2  | 94    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.321 | 1.329 | -0.6  | 92    | 0.00     |
| 6    | Aniline                     | 2.514 | 2.406 | 4.3   | 93    | 0.00     |
| 7 S  | Phenol-d6                   | 1.727 | 1.587 | 8.1   | 93    | 0.00     |
| 8    | 2-Chlorophenol              | 1.480 | 1.418 | 4.2   | 91    | 0.00     |
| 9    | Benzaldehyde                | 1.205 | 1.220 | -1.2  | 95    | 0.00     |
| 10 C | Phenol                      | 2.055 | 1.804 | 12.2  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.535 | 1.507 | 1.8   | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.586 | 1.481 | 6.6   | 92    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.592 | 1.510 | 5.2   | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.502 | 1.388 | 7.6   | 90    | 0.00     |
| 15   | Benzyl Alcohol              | 1.128 | 1.169 | -3.6  | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.971 | 2.798 | 5.8   | 91    | 0.00     |
| 17   | 2-Methylphenol              | 1.297 | 1.262 | 2.7   | 92    | 0.00     |
| 18   | Hexachloroethane            | 0.605 | 0.590 | 2.5   | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.116 | 1.010 | 9.5   | 92    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.503 | 1.368 | 9.0   | 91    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.465 | 4.7   | 87    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.424 | 0.405 | 4.5   | 91    | 0.00     |
| 24   | Nitrobenzene                | 0.440 | 0.419 | 4.8   | 87    | 0.00     |
| 25   | Isophorone                  | 0.752 | 0.715 | 4.9   | 87    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.174 | 3.9   | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.336 | 0.327 | 2.7   | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.462 | 0.409 | 11.5  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.263 | 5.4   | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.316 | 0.312 | 1.3   | 91    | 0.00     |
| 31   | Naphthalene                 | 1.089 | 1.113 | -2.2  | 93    | 0.00     |
| 32   | Benzoic acid                | 0.207 | 0.219 | -5.8  | 90    | -0.01    |
| 33   | 4-Chloroaniline             | 0.426 | 0.434 | -1.9  | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.180 | 0.165 | 8.3   | 89    | 0.00     |
| 35   | Caprolactam                 | 0.079 | 0.073 | 7.6   | 85    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.304 | 0.299 | 1.6   | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.653 | 0.627 | 4.0   | 93    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.682 | 0.664 | 2.6   | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.410 | 0.431 | -5.1  | 89    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.193 | 0.174 | 9.8   | 81    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.463 | 0.450 | 2.8   | 90    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.464 | 0.436 | 6.0   | 89    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.485 | 1.502 | -1.1  | 93    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.844 | 1.745 | 5.4  | 86    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.434 | 1.388 | 3.2  | 89    | 0.00     |
| 47   | 2-Nitroaniline             | 0.522 | 0.537 | -2.9 | 84    | 0.00     |
| 48   | Acenaphthylene             | 2.359 | 2.398 | -1.7 | 89    | 0.00     |
| 49   | Dimethylphthalate          | 1.459 | 1.458 | 0.1  | 92    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.305 | 0.303 | 0.7  | 89    | 0.00     |
| 51 C | Acenaphthene               | 1.418 | 1.426 | -0.6 | 87    | 0.00     |
| 52   | 3-Nitroaniline             | 0.377 | 0.345 | 8.5  | 77    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.155 | 0.150 | 3.2  | 78    | 0.00     |
| 54   | Dibenzofuran               | 1.892 | 1.849 | 2.3  | 84    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.265 | 0.285 | -7.5 | 90    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.385 | 0.404 | -4.9 | 90    | 0.00     |
| 57   | Fluorene                   | 1.445 | 1.360 | 5.9  | 86    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.333 | 0.338 | -1.5 | 87    | 0.00     |
| 59   | Diethylphthalate           | 1.444 | 1.343 | 7.0  | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.651 | 0.594 | 8.8  | 88    | 0.00     |
| 61   | 4-Nitroaniline             | 0.336 | 0.351 | -4.5 | 84    | 0.00     |
| 62   | Azobenzene                 | 1.689 | 1.560 | 7.6  | 88    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 85    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.129 | 0.117 | 9.3  | 82    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.766 | 0.686 | 10.4 | 80    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.221 | 0.233 | -5.4 | 86    | 0.00     |
| 67   | Hexachlorobenzene          | 0.242 | 0.225 | 7.0  | 85    | 0.00     |
| 68   | Atrazine                   | 0.199 | 0.183 | 8.0  | 81    | -0.01    |
| 69 C | Pentachlorophenol          | 0.132 | 0.142 | -7.6 | 85    | 0.00     |
| 70   | Phenanthrene               | 1.156 | 1.060 | 8.3  | 86    | 0.00     |
| 71   | Anthracene                 | 1.123 | 1.192 | -6.1 | 86    | 0.00     |
| 72   | Carbazole                  | 1.059 | 0.999 | 5.7  | 89    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.254 | 1.343 | -7.1 | 87    | 0.00     |
| 74 C | Fluoranthene               | 1.125 | 1.197 | -6.4 | 88    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 76   | Benzidine                  | 0.968 | 0.969 | -0.1 | 85    | 0.00     |
| 77   | Pyrene                     | 1.794 | 1.781 | 0.7  | 86    | 0.00     |
| 78 S | Terphenyl-d14              | 1.105 | 1.148 | -3.9 | 89    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.734 | 0.727 | 1.0  | 88    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.338 | 1.302 | 2.7  | 88    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.497 | 0.467 | 6.0  | 87    | 0.00     |
| 82   | Chrysene                   | 1.363 | 1.253 | 8.1  | 84    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.980 | 0.977 | 0.3  | 85    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.647 | 1.711 | -3.9 | 86    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.119 | 1.101 | 1.6  | 86    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 86    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.496 | 1.259 | 15.8 | 66    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.152 | 1.367 | -18.7 | 120   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.221 | 1.194 | 2.2   | 87    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.061 | 1.055 | 0.6   | 86    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.025 | 1.015 | 1.0   | 86    | 0.00     |

(#) = Out of Range

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