

Data Path : Z:\HPCHEM1\BNA F\Data\BF010918\  
 Data File : BF101953.D  
 Acq On : 9 Jan 2018 15:35  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 10 02:57:37 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 15:20:36 2018  
 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   | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.707 | 0.670 | 5.2   | 94    | 0.00     |
| 3    | Pyridine                    | 1.930 | 1.848 | 4.2   | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.808 | 0.773 | 4.3   | 93    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.416 | 1.322 | 6.6   | 93    | 0.00     |
| 6    | Aniline                     | 2.381 | 2.267 | 4.8   | 93    | 0.00     |
| 7 S  | Phenol-d6                   | 1.690 | 1.581 | 6.4   | 93    | 0.00     |
| 8    | 2-Chlorophenol              | 1.421 | 1.365 | 3.9   | 93    | 0.00     |
| 9    | Benzaldehyde                | 1.173 | 1.114 | 5.0   | 93    | 0.00     |
| 10 C | Phenol                      | 1.910 | 1.834 | 4.0   | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.454 | 1.380 | 5.1   | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.638 | 1.560 | 4.8   | 95    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.634 | 1.568 | 4.0   | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.512 | 1.439 | 4.8   | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 1.236 | 1.184 | 4.2   | 93    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.680 | 2.540 | 5.2   | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.281 | 1.200 | 6.3   | 92    | 0.00     |
| 18   | Hexachloroethane            | 0.575 | 0.563 | 2.1   | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.107 | 1.035 | 6.5   | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.539 | 1.431 | 7.0   | 93    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                | 0.482 | 0.437 | 9.3   | 93    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.340 | 0.332 | 2.4   | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.366 | 0.355 | 3.0   | 95    | 0.00     |
| 25   | Isophorone                  | 0.672 | 0.622 | 7.4   | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.153 | 0.158 | -3.3  | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.286 | 0.270 | 5.6   | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.406 | 0.383 | 5.7   | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.271 | 0.259 | 4.4   | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.284 | 0.268 | 5.6   | 95    | 0.00     |
| 31   | Naphthalene                 | 0.999 | 0.938 | 6.1   | 95    | 0.00     |
| 32   | Benzoic acid                | 0.217 | 0.243 | -12.0 | 100   | 0.00     |
| 33   | 4-Chloroaniline             | 0.427 | 0.394 | 7.7   | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.150 | 0.143 | 4.7   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.093 | 0.088 | 5.4   | 92    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.297 | 0.277 | 6.7   | 93    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.658 | 0.608 | 7.6   | 93    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.566 | 0.541 | 4.4   | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.309 | 0.316 | -2.3  | 97    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.175 | 0.171 | 2.3   | 95    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.390 | 0.381 | 2.3   | 94    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.441 | 0.437 | 0.9   | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.280 | 1.248 | 2.5   | 94    | 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              | 1.768 | 1.677 | 5.1   | 94    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.371 | 1.311 | 4.4   | 95    | 0.00     |
| 47   | 2-Nitroaniline             | 0.411 | 0.438 | -6.6  | 96    | 0.00     |
| 48   | Acenaphthylene             | 2.176 | 2.054 | 5.6   | 94    | 0.00     |
| 49   | Dimethylphthalate          | 1.604 | 1.507 | 6.0   | 93    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.320 | 0.336 | -5.0  | 95    | 0.00     |
| 51 C | Acenaphthene               | 1.320 | 1.253 | 5.1   | 95    | 0.00     |
| 52   | 3-Nitroaniline             | 0.404 | 0.407 | -0.7  | 93    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.098 | 0.110 | -12.2 | 105   | 0.00     |
| 54   | Dibenzofuran               | 1.812 | 1.704 | 6.0   | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.301 | 0.317 | -5.3  | 96    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.402 | 0.422 | -5.0  | 94    | 0.00     |
| 57   | Fluorene                   | 1.253 | 1.228 | 2.0   | 95    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.314 | 0.305 | 2.9   | 93    | 0.00     |
| 59   | Diethylphthalate           | 1.596 | 1.517 | 4.9   | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.533 | 0.526 | 1.3   | 96    | 0.00     |
| 61   | 4-Nitroaniline             | 0.384 | 0.395 | -2.9  | 95    | 0.00     |
| 62   | Azobenzene                 | 1.588 | 1.501 | 5.5   | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.098 | 0.109 | -11.2 | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.749 | 0.708 | 5.5   | 96    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.201 | 4.7   | 94    | 0.00     |
| 67   | Hexachlorobenzene          | 0.231 | 0.219 | 5.2   | 94    | 0.00     |
| 68   | Atrazine                   | 0.216 | 0.208 | 3.7   | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 0.141 | 0.146 | -3.5  | 95    | 0.00     |
| 70   | Phenanthrene               | 1.168 | 1.087 | 6.9   | 94    | 0.00     |
| 71   | Anthracene                 | 1.185 | 1.110 | 6.3   | 95    | 0.00     |
| 72   | Carbazole                  | 1.165 | 1.091 | 6.4   | 94    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.429 | 1.349 | 5.6   | 93    | 0.00     |
| 74 C | Fluoranthene               | 1.149 | 1.082 | 5.8   | 96    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 76   | Benzidine                  | 0.966 | 0.935 | 3.2   | 93    | 0.00     |
| 77   | Pyrene                     | 1.768 | 1.736 | 1.8   | 95    | 0.00     |
| 78 S | Terphenyl-d14              | 0.963 | 0.918 | 4.7   | 96    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.811 | 0.822 | -1.4  | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.276 | 1.237 | 3.1   | 97    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.472 | 0.459 | 2.8   | 94    | 0.00     |
| 82   | Chrysene                   | 1.331 | 1.270 | 4.6   | 94    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.931 | 0.950 | -2.0  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.544 | 1.553 | -0.6  | 96    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.968 | 0.908 | 6.2   | 96    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.304 | 1.216 | 6.7   | 87    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.258 | 1.276 | -1.4 | 104   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.173 | 1.150 | 2.0  | 97    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.936 | 0.915 | 2.2  | 95    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.943 | 0.928 | 1.6  | 97    | 0.00     |

(#) = Out of Range

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