

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF020419\  
 Data File : BF112376.D  
 Acq On : 4 Feb 2019 13:24  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 05 05:31:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 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    | 82    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.375 | 0.481 | -28.3# | 111   | -0.02    |
| 3    | Pyridine                    | 0.954 | 1.200 | -25.8# | 109   | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.401 | 0.503 | -25.4# | 103   | -0.02    |
| 5 S  | 2-Fluorophenol              | 0.942 | 1.140 | -21.0  | 92    | -0.02    |
| 6    | Aniline                     | 1.556 | 1.677 | -7.8   | 86    | -0.01    |
| 7 S  | Phenol-d6                   | 1.308 | 1.394 | -6.6   | 86    | -0.01    |
| 8    | 2-Chlorophenol              | 1.267 | 1.311 | -3.5   | 85    | -0.01    |
| 9    | Benzaldehyde                | 0.684 | 0.683 | 0.1    | 81    | 0.00     |
| 10 C | Phenol                      | 1.435 | 1.537 | -7.1   | 86    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.130 | 1.150 | -1.8   | 83    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.475 | 1.465 | 0.7    | 84    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.518 | 1.506 | 0.8    | 86    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.421 | 1.404 | 1.2    | 85    | -0.02    |
| 15   | Benzyl Alcohol              | 1.103 | 1.076 | 2.4    | 83    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.451 | 1.451 | 0.0    | 85    | -0.01    |
| 17   | 2-Methylphenol              | 1.004 | 0.990 | 1.4    | 85    | -0.01    |
| 18   | Hexachloroethane            | 0.533 | 0.525 | 1.5    | 83    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.902 | 0.894 | 0.9    | 85    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.284 | 1.308 | -1.9   | 88    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 94    | -0.01    |
| 22   | Acetophenone                | 0.487 | 0.477 | 2.1    | 86    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.347 | 0.344 | 0.9    | 86    | -0.01    |
| 24   | Nitrobenzene                | 0.347 | 0.344 | 0.9    | 85    | 0.00     |
| 25   | Isophorone                  | 0.545 | 0.543 | 0.4    | 89    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.185 | 0.189 | -2.2   | 91    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.255 | 0.257 | -0.8   | 93    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.371 | 0.364 | 1.9    | 92    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.286 | 0.293 | -2.4   | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.328 | 0.326 | 0.6    | 94    | -0.01    |
| 31   | Naphthalene                 | 0.935 | 0.927 | 0.9    | 96    | -0.01    |
| 32   | Benzoic acid                | 0.146 | 0.143 | 2.1    | 89    | 0.00     |
| 33   | 4-Chloroaniline             | 0.407 | 0.408 | -0.2   | 97    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.193 | 0.186 | 3.6    | 93    | -0.01    |
| 35   | Caprolactam                 | 0.101 | 0.104 | -3.0   | 100   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.302 | 0.301 | 0.3    | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.640 | 0.630 | 1.6    | 95    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.614 | 0.602 | 2.0    | 96    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 93    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.657 | 0.637 | 3.0    | 97    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.195 | 0.202 | -3.6   | 100   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.233 | 0.242 | -3.9   | 111   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.405 | 0.401 | 1.0    | 97    | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.423 | 0.416 | 1.7    | 95    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.414 | 1.333 | 5.7   | 97    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.748 | 1.687 | 3.5   | 97    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.356 | 1.302 | 4.0   | 96    | -0.01    |
| 48   | 2-Nitroaniline             | 0.370 | 0.373 | -0.8  | 98    | 0.00     |
| 49   | Acenaphthylene             | 1.987 | 1.938 | 2.5   | 97    | -0.01    |
| 50   | Dimethylphthalate          | 1.554 | 1.522 | 2.1   | 100   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.348 | 0.345 | 0.9   | 100   | 0.00     |
| 52 C | Acenaphthene               | 1.187 | 1.155 | 2.7   | 96    | -0.01    |
| 53   | 3-Nitroaniline             | 0.377 | 0.388 | -2.9  | 102   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.112 | 0.102 | 8.9   | 89    | 0.00     |
| 55   | Dibenzofuran               | 1.814 | 1.781 | 1.8   | 97    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.199 | 0.197 | 1.0   | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.443 | 0.455 | -2.7  | 101   | -0.01    |
| 58   | Fluorene                   | 1.358 | 1.353 | 0.4   | 106   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.320 | 0.355 | -10.9 | 103   | -0.01    |
| 60   | Diethylphthalate           | 1.542 | 1.497 | 2.9   | 97    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.738 | 0.714 | 3.3   | 98    | -0.01    |
| 62   | 4-Nitroaniline             | 0.370 | 0.399 | -7.8  | 109   | 0.00     |
| 63   | Azobenzene                 | 1.356 | 1.334 | 1.6   | 95    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 96    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.112 | 0.107 | 4.5   | 93    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.674 | 0.664 | 1.5   | 100   | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.235 | 0.228 | 3.0   | 98    | -0.01    |
| 68   | Hexachlorobenzene          | 0.252 | 0.249 | 1.2   | 101   | 0.00     |
| 69   | Atrazine                   | 0.217 | 0.196 | 9.7   | 91    | -0.01    |
| 70 C | Pentachlorophenol          | 0.098 | 0.099 | -1.0  | 104   | -0.01    |
| 71   | Phenanthrene               | 1.040 | 1.024 | 1.5   | 99    | -0.01    |
| 72   | Anthracene                 | 1.036 | 1.052 | -1.5  | 113   | -0.01    |
| 73   | Carbazole                  | 1.022 | 1.043 | -2.1  | 103   | -0.01    |
| 74   | Di-n-butylphthalate        | 1.268 | 1.193 | 5.9   | 96    | 0.00     |
| 75 C | Fluoranthene               | 1.115 | 1.097 | 1.6   | 92    | -0.01    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 77   | Benzidine                  | 0.550 | 0.494 | 10.2  | 79    | 0.00     |
| 78   | Pyrene                     | 1.385 | 1.309 | 5.5   | 92    | -0.01    |
| 79 S | Terphenyl-d14              | 1.062 | 0.947 | 10.8  | 91    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.670 | 0.601 | 10.3  | 87    | -0.01    |
| 81   | Benzo(a)anthracene         | 1.176 | 1.157 | 1.6   | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.440 | 0.446 | -1.4  | 97    | 0.00     |
| 83   | Chrysene                   | 1.122 | 1.106 | 1.4   | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.951 | 0.834 | 12.3  | 85    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.463 | 1.341 | 8.3   | 88    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.889 | 0.955 | -7.4  | 120   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 103   | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.196 | 1.166 | 2.5  | 103   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.146 | 1.127 | 1.7  | 107   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.076 | 1.062 | 1.3  | 107   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.867 | 0.868 | -0.1 | 120   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.818 | 0.828 | -1.2 | 132   | 0.00     |

(#) = Out of Range

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