

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\  
 Data File : BF111938.D  
 Acq On : 9 Jan 2019 9:16  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 09 10:14:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 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   | 84    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.511 | 0.514 | -0.6  | 88    | 0.00     |
| 3    | Pyridine                    | 1.325 | 1.437 | -8.5  | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.659 | 0.666 | -1.1  | 85    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.169 | 1.199 | -2.6  | 86    | 0.00     |
| 6    | Aniline                     | 1.822 | 1.801 | 1.2   | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 1.507 | 1.461 | 3.1   | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.298 | 1.309 | -0.8  | 89    | 0.00     |
| 9    | Benzaldehyde                | 0.942 | 0.853 | 9.4   | 90    | 0.00     |
| 10 C | Phenol                      | 1.638 | 1.625 | 0.8   | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.267 | 1.275 | -0.6  | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.505 | 1.418 | 5.8   | 84    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.497 | 2.0   | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.460 | 1.363 | 6.6   | 84    | 0.00     |
| 15   | Benzyl Alcohol              | 1.192 | 1.166 | 2.2   | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.160 | 1.950 | 9.7   | 81    | 0.00     |
| 17   | 2-Methylphenol              | 1.043 | 0.967 | 7.3   | 83    | 0.00     |
| 18   | Hexachloroethane            | 0.533 | 0.470 | 11.8  | 77    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.979 | 0.948 | 3.2   | 85    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.279 | 1.5   | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 22   | Acetophenone                | 0.506 | 0.444 | 12.3  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.374 | 0.304 | 18.7  | 78    | 0.00     |
| 24   | Nitrobenzene                | 0.379 | 0.306 | 19.3  | 78    | 0.00     |
| 25   | Isophorone                  | 0.606 | 0.544 | 10.2  | 87    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.186 | 0.183 | 1.6   | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.247 | 8.2   | 88    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.404 | 0.358 | 11.4  | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.266 | 14.2  | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.342 | 0.293 | 14.3  | 82    | 0.00     |
| 31   | Naphthalene                 | 0.949 | 0.956 | -0.7  | 97    | 0.00     |
| 32   | Benzoic acid                | 0.175 | 0.116 | 33.7# | 69    | 0.00     |
| 33   | 4-Chloroaniline             | 0.410 | 0.421 | -2.7  | 98    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.213 | 0.210 | 1.4   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.101 | 0.105 | -4.0  | 98    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.308 | 0.281 | 8.8   | 88    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.588 | 0.624 | -6.1  | 94    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.564 | 0.593 | -5.1  | 95    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.638 | 0.683 | -7.1  | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.369 | 0.364 | 1.4   | 84    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.260 | 0.208 | 20.0  | 73    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.432 | 0.453 | -4.9  | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.453 | 0.451 | 0.4   | 88    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.372 | 1.393 | -1.5  | 94    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.673 | 1.732 | -3.5  | 94    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.313 | 1.306 | 0.5   | 90    | 0.00     |
| 48   | 2-Nitroaniline             | 0.401 | 0.423 | -5.5  | 94    | 0.00     |
| 49   | Acenaphthylene             | 1.941 | 1.764 | 9.1   | 83    | 0.00     |
| 50   | Dimethylphthalate          | 1.502 | 1.374 | 8.5   | 84    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.336 | 0.311 | 7.4   | 83    | 0.00     |
| 52 C | Acenaphthene               | 1.251 | 1.254 | -0.2  | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.360 | 0.346 | 3.9   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.142 | 0.136 | 4.2   | 84    | 0.00     |
| 55   | Dibenzofuran               | 1.820 | 1.811 | 0.5   | 91    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.254 | 0.254 | 0.0   | 88    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.434 | 0.451 | -3.9  | 92    | 0.00     |
| 58   | Fluorene                   | 1.324 | 1.287 | 2.8   | 89    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.382 | 0.381 | 0.3   | 89    | 0.00     |
| 60   | Diethylphthalate           | 1.454 | 1.426 | 1.9   | 90    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.743 | 0.702 | 5.5   | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 0.341 | 0.348 | -2.1  | 89    | 0.00     |
| 63   | Azobenzene                 | 1.389 | 1.146 | 17.5  | 74    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.123 | 0.135 | -9.8  | 82    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.671 | 0.663 | 1.2   | 75    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.259 | 0.246 | 5.0   | 72    | 0.00     |
| 68   | Hexachlorobenzene          | 0.287 | 0.275 | 4.2   | 73    | 0.00     |
| 69   | Atrazine                   | 0.236 | 0.231 | 2.1   | 76    | 0.00     |
| 70 C | Pentachlorophenol          | 0.163 | 0.142 | 12.9  | 63    | 0.00     |
| 71   | Phenanthrene               | 1.069 | 1.048 | 2.0   | 75    | 0.00     |
| 72   | Anthracene                 | 1.085 | 1.051 | 3.1   | 74    | 0.00     |
| 73   | Carbazole                  | 1.056 | 1.026 | 2.8   | 77    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.226 | 1.186 | 3.3   | 77    | 0.00     |
| 75 C | Fluoranthene               | 1.098 | 1.058 | 3.6   | 75    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 71    | 0.00     |
| 77   | Benzidine                  | 0.598 | 0.665 | -11.2 | 88    | 0.00     |
| 78   | Pyrene                     | 1.376 | 1.373 | 0.2   | 75    | 0.00     |
| 79 S | Terphenyl-d14              | 1.054 | 1.036 | 1.7   | 77    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.582 | 0.599 | -2.9  | 77    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.151 | 1.157 | -0.5  | 77    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.425 | 0.439 | -3.3  | 78    | 0.00     |
| 83   | Chrysene                   | 1.097 | 1.088 | 0.8   | 75    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.764 | 0.794 | -3.9  | 78    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.093 | 1.172 | -7.2  | 82    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.800 | 0.873 | -9.1  | 85    | 0.01     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 74    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.196 | 1.195 | 0.1   | 78    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.125 | 1.069 | 5.0   | 73    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.052 | 1.056 | -0.4  | 78    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.846 | 0.972 | -14.9 | 86    | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 0.828 | 1.000 | -20.8 | 89    | 0.02     |

(#) = Out of Range

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