

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\  
 Data File : BF117615.D  
 Acq On : 30 Oct 2019 11:01  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 31 01:41:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 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    | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.565 | 0.577 | -2.1   | 98    | -0.02    |
| 3    | Pyridine                    | 1.384 | 1.444 | -4.3   | 102   | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.502 | 0.539 | -7.4   | 104   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.344 | 1.443 | -7.4   | 103   | 0.00     |
| 6    | Aniline                     | 2.120 | 2.245 | -5.9   | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 1.806 | 1.912 | -5.9   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.419 | 1.473 | -3.8   | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.848 | 1.032 | -21.7  | 111   | 0.00     |
| 10 C | Phenol                      | 1.843 | 1.873 | -1.6   | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.363 | 1.424 | -4.5   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.583 | 1.628 | -2.8   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.606 | 1.690 | -5.2   | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.514 | 1.571 | -3.8   | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 1.290 | 1.368 | -6.0   | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.470 | 1.569 | -6.7   | 105   | -0.01    |
| 17   | 2-Methylphenol              | 1.167 | 1.248 | -6.9   | 102   | 0.00     |
| 18   | Hexachloroethane            | 0.627 | 0.645 | -2.9   | 98    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.103 | 1.157 | -4.9   | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.530 | 1.655 | -8.2   | 104   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 22   | Acetophenone                | 0.531 | 0.559 | -5.3   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.405 | 0.423 | -4.4   | 100   | 0.00     |
| 24   | Nitrobenzene                | 0.388 | 0.416 | -7.2   | 100   | 0.00     |
| 25   | Isophorone                  | 0.701 | 0.713 | -1.7   | 99    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.173 | 0.183 | -5.8   | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.259 | 0.272 | -5.0   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.432 | 0.451 | -4.4   | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.271 | 0.286 | -5.5   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.291 | 0.305 | -4.8   | 99    | 0.00     |
| 31   | Naphthalene                 | 0.991 | 1.038 | -4.7   | 101   | 0.00     |
| 32   | Benzoic acid                | 0.177 | 0.135 | 23.7   | 81    | 0.01     |
| 33   | 4-Chloroaniline             | 0.418 | 0.454 | -8.6   | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.168 | 0.170 | -1.2   | 97    | -0.01    |
| 35   | Caprolactam                 | 0.087 | 0.094 | -8.0   | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.309 | 0.329 | -6.5   | 105   | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.668 | 0.691 | -3.4   | 100   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.628 | 0.649 | -3.3   | 99    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.539 | 0.554 | -2.8   | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.103 | 0.195 | -89.3# | 190#  | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.173 | 0.167 | 3.5    | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.337 | 0.325 | 3.6    | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.342 | 0.333 | 2.6    | 94    | 0.01     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.419 | 1.419 | 0.0   | 97    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.656 | 1.679 | -1.4  | 98    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.248 | 1.275 | -2.2  | 99    | 0.00     |
| 48   | 2-Nitroaniline             | 0.410 | 0.442 | -7.8  | 105   | 0.00     |
| 49   | Acenaphthylene             | 1.834 | 1.877 | -2.3  | 98    | 0.00     |
| 50   | Dimethylphthalate          | 1.426 | 1.456 | -2.1  | 100   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.298 | 0.316 | -6.0  | 102   | 0.00     |
| 52 C | Acenaphthene               | 1.125 | 1.155 | -2.7  | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 0.361 | 0.395 | -9.4  | 104   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.110 | 0.098 | 10.9  | 75    | 0.02     |
| 55   | Dibenzofuran               | 1.630 | 1.702 | -4.4  | 101   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.151 | 0.139 | 7.9   | 89    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.396 | 0.429 | -8.3  | 105   | 0.00     |
| 58   | Fluorene                   | 1.348 | 1.404 | -4.2  | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.269 | 0.266 | 1.1   | 95    | 0.00     |
| 60   | Diethylphthalate           | 1.442 | 1.506 | -4.4  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.605 | 0.621 | -2.6  | 100   | 0.00     |
| 62   | 4-Nitroaniline             | 0.340 | 0.390 | -14.7 | 110   | 0.01     |
| 63   | Azobenzene                 | 1.476 | 1.564 | -6.0  | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.099 | 2.9   | 97    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.731 | 0.751 | -2.7  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.215 | 0.217 | -0.9  | 101   | 0.00     |
| 68   | Hexachlorobenzene          | 0.231 | 0.232 | -0.4  | 101   | 0.00     |
| 69   | Atrazine                   | 0.186 | 0.163 | 12.4  | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 0.069 | 0.081 | -17.4 | 115   | 0.01     |
| 71   | Phenanthrene               | 1.161 | 1.199 | -3.3  | 103   | 0.00     |
| 72   | Anthracene                 | 1.192 | 1.236 | -3.7  | 104   | 0.00     |
| 73   | Carbazole                  | 1.089 | 1.145 | -5.1  | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.455 | 1.507 | -3.6  | 103   | 0.00     |
| 75 C | Fluoranthene               | 1.163 | 1.207 | -3.8  | 104   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 77   | Benzidine                  | 0.542 | 0.611 | -12.7 | 105   | 0.00     |
| 78   | Pyrene                     | 1.718 | 1.820 | -5.9  | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 1.226 | 1.274 | -3.9  | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.855 | 0.891 | -4.2  | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.349 | 1.370 | -1.6  | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.423 | 0.456 | -7.8  | 98    | 0.00     |
| 83   | Chrysene                   | 1.322 | 1.357 | -2.6  | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 1.197 | 1.219 | -1.8  | 99    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.841 | 1.876 | -1.9  | 100   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.987 | 0.913 | 7.5   | 97    | 0.02     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 99    | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.181 | 1.230 | -4.1 | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.210 | 1.295 | -7.0 | 96    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.074 | 1.127 | -4.9 | 97    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.928 | 0.936 | -0.9 | 96    | 0.02     |
| 92   | Benzo(q,h,i)perylene   | 0.879 | 0.885 | -0.7 | 97    | 0.03     |

(#) = Out of Range

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