

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\  
 Data File : BF116805.D  
 Acq On : 4 Sep 2019 10:30  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 05 02:03:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 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    | 69    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.570 | 0.566 | 0.7    | 68    | 0.00     |
| 3    | Pyridine                    | 1.650 | 1.608 | 2.5    | 66    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.567 | 0.549 | 3.2    | 66    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.235 | 1.359 | -10.0  | 76    | 0.00     |
| 6    | Aniline                     | 2.245 | 2.271 | -1.2   | 68    | 0.00     |
| 7 S  | Phenol-d6                   | 1.621 | 1.730 | -6.7   | 73    | 0.00     |
| 8    | 2-Chlorophenol              | 1.348 | 1.442 | -7.0   | 73    | 0.00     |
| 9    | Benzaldehyde                | 1.068 | 1.040 | 2.6    | 70    | 0.00     |
| 10 C | Phenol                      | 1.795 | 1.898 | -5.7   | 71    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.398 | 1.426 | -2.0   | 70    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.523 | 1.636 | -7.4   | 74    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.516 | 1.648 | -8.7   | 74    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.405 | 1.522 | -8.3   | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 1.316 | 1.360 | -3.3   | 70    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.640 | 1.468 | 10.5   | 60    | 0.00     |
| 17   | 2-Methylphenol              | 1.180 | 1.220 | -3.4   | 71    | 0.00     |
| 18   | Hexachloroethane            | 0.589 | 0.617 | -4.8   | 71    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.067 | 1.075 | -0.7   | 69    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.372 | 1.532 | -11.7  | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 68    | 0.00     |
| 22   | Acetophenone                | 0.482 | 0.525 | -8.9   | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.350 | 0.396 | -13.1  | 77    | 0.00     |
| 24   | Nitrobenzene                | 0.356 | 0.394 | -10.7  | 74    | 0.00     |
| 25   | Isophorone                  | 0.710 | 0.699 | 1.5    | 67    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.132 | 0.176 | -33.3# | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.268 | 0.274 | -2.2   | 69    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.434 | 0.436 | -0.5   | 68    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.257 | 0.279 | -8.6   | 73    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.279 | 0.299 | -7.2   | 72    | 0.00     |
| 31   | Naphthalene                 | 0.951 | 0.997 | -4.8   | 70    | 0.00     |
| 32   | Benzoic acid                | 0.151 | 0.081 | 46.4#  | 42#   | -0.03    |
| 33   | 4-Chloroaniline             | 0.433 | 0.449 | -3.7   | 70    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.152 | 0.170 | -11.8  | 76    | 0.00     |
| 35   | Caprolactam                 | 0.096 | 0.091 | 5.2    | 65    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.296 | 0.319 | -7.8   | 73    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.633 | 0.678 | -7.1   | 71    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.597 | 0.643 | -7.7   | 73    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 68    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.479 | 0.546 | -14.0  | 77    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.277 | 0.263 | 5.1    | 64    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.134 | 0.174 | -29.9# | 89    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.329 | 0.385 | -17.0  | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.341 | 0.397 | -16.4  | 80    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.186 | 1.355 | -14.2  | 79    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.518 | 1.660 | -9.4   | 74    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.202 | 1.294 | -7.7   | 72    | 0.00     |
| 48   | 2-Nitroaniline             | 0.348 | 0.425 | -22.1  | 83    | 0.00     |
| 49   | Acenaphthylene             | 1.817 | 1.949 | -7.3   | 72    | 0.00     |
| 50   | Dimethylphthalate          | 1.381 | 1.454 | -5.3   | 71    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.263 | 0.319 | -21.3  | 81    | 0.00     |
| 52 C | Acenaphthene               | 1.116 | 1.215 | -8.9   | 74    | 0.00     |
| 53   | 3-Nitroaniline             | 0.330 | 0.394 | -19.4  | 80    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.077 | 0.079 | -2.6   | 73    | 0.00     |
| 55   | Dibenzofuran               | 1.574 | 1.690 | -7.4   | 72    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.226 | 0.269 | -19.0  | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.322 | 0.431 | -33.9# | 90    | 0.00     |
| 58   | Fluorene                   | 1.199 | 1.351 | -12.7  | 77    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.246 | 0.297 | -20.7  | 82    | 0.00     |
| 60   | Diethylphthalate           | 1.383 | 1.467 | -6.1   | 72    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.525 | 0.592 | -12.8  | 77    | 0.00     |
| 62   | 4-Nitroaniline             | 0.320 | 0.392 | -22.5  | 84    | 0.00     |
| 63   | Azobenzene                 | 1.442 | 1.479 | -2.6   | 70    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 70    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.068 | 0.084 | -23.5  | 89    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.692 | 0.739 | -6.8   | 74    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.203 | 0.219 | -7.9   | 74    | 0.00     |
| 68   | Hexachlorobenzene          | 0.213 | 0.232 | -8.9   | 76    | 0.00     |
| 69   | Atrazine                   | 0.194 | 0.204 | -5.2   | 73    | 0.00     |
| 70 C | Pentachlorophenol          | 0.103 | 0.126 | -22.3# | 85    | 0.00     |
| 71   | Phenanthrene               | 1.113 | 1.199 | -7.7   | 74    | 0.00     |
| 72   | Anthracene                 | 1.121 | 1.212 | -8.1   | 75    | 0.00     |
| 73   | Carbazole                  | 1.068 | 1.131 | -5.9   | 74    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.369 | 1.443 | -5.4   | 73    | 0.00     |
| 75 C | Fluoranthene               | 1.094 | 1.175 | -7.4   | 75    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 77   | Benzidine                  | 0.784 | 0.761 | 2.9    | 76    | 0.00     |
| 78   | Pyrene                     | 1.778 | 1.845 | -3.8   | 74    | 0.00     |
| 79 S | Terphenyl-d14              | 1.081 | 1.223 | -13.1  | 82    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.865 | 0.894 | -3.4   | 77    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.266 | 1.389 | -9.7   | 83    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.428 | 0.462 | -7.9   | 79    | 0.00     |
| 83   | Chrysene                   | 1.304 | 1.374 | -5.4   | 79    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 1.067 | 1.157 | -8.4   | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.747 | 1.823 | -4.4   | 81    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.047 | 1.058 | -1.1   | 77    | 0.01     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 77    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.209 | 1.304 | -7.9 | 85    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.102 | 1.185 | -7.5 | 77    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.052 | 1.129 | -7.3 | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.921 | 0.966 | -4.9 | 78    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.939 | 0.919 | 2.1  | 72    | 0.01     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2