

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040919\  
 Data File : BF113653.D  
 Acq On : 9 Apr 2019 10:19  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 09 10:57:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 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   | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.555 | 0.519 | 6.5   | 92    | -0.01    |
| 3    | Pyridine                    | 1.454 | 1.419 | 2.4   | 94    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.618 | 0.614 | 0.6   | 96    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.173 | 1.192 | -1.6  | 99    | 0.00     |
| 6    | Aniline                     | 1.752 | 1.774 | -1.3  | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.446 | 1.439 | 0.5   | 96    | 0.00     |
| 8    | 2-Chlorophenol              | 1.357 | 1.393 | -2.7  | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.860 | 0.862 | -0.2  | 91    | 0.00     |
| 10 C | Phenol                      | 1.651 | 1.653 | -0.1  | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.284 | 1.268 | 1.2   | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.461 | 1.465 | -0.3  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.477 | 1.477 | 0.0   | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.333 | 1.365 | -2.4  | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 0.977 | 0.765 | 21.7  | 72    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.999 | 1.957 | 2.1   | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.052 | 1.131 | -7.5  | 104   | 0.00     |
| 18   | Hexachloroethane            | 0.538 | 0.535 | 0.6   | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.891 | 0.885 | 0.7   | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.274 | 1.387 | -8.9  | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 22   | Acetophenone                | 0.439 | 0.439 | 0.0   | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.341 | 0.342 | -0.3  | 97    | 0.00     |
| 24   | Nitrobenzene                | 0.352 | 0.352 | 0.0   | 96    | 0.00     |
| 25   | Isophorone                  | 0.658 | 0.636 | 3.3   | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.189 | 0.193 | -2.1  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.271 | 0.267 | 1.5   | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.413 | 0.7   | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.289 | 0.300 | -3.8  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.314 | 0.0   | 96    | 0.00     |
| 31   | Naphthalene                 | 0.969 | 0.975 | -0.6  | 96    | 0.00     |
| 32   | Benzoic acid                | 0.209 | 0.171 | 18.2  | 78    | 0.00     |
| 33   | 4-Chloroaniline             | 0.384 | 0.404 | -5.2  | 98    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.192 | 0.191 | 0.5   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.092 | 0.095 | -3.3  | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.291 | 0.302 | -3.8  | 98    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.637 | 0.633 | 0.6   | 95    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.615 | 0.609 | 1.0   | 94    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.647 | 0.656 | -1.4  | 96    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.192 | 0.143 | 25.5# | 78    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.240 | 0.246 | -2.5  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.408 | 0.399 | 2.2   | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.438 | 0.433 | 1.1   | 93    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.242 | 1.279 | -3.0  | 92    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.650 | 1.662 | -0.7  | 95    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.250 | 1.256 | -0.5  | 95    | 0.00     |
| 48   | 2-Nitroaniline             | 0.382 | 0.392 | -2.6  | 96    | 0.00     |
| 49   | Acenaphthylene             | 2.032 | 2.033 | -0.0  | 93    | 0.00     |
| 50   | Dimethylphthalate          | 1.474 | 1.441 | 2.2   | 92    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.325 | 0.328 | -0.9  | 93    | 0.00     |
| 52 C | Acenaphthene               | 1.163 | 1.171 | -0.7  | 95    | 0.00     |
| 53   | 3-Nitroaniline             | 0.369 | 0.376 | -1.9  | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.152 | 0.164 | -7.9  | 96    | 0.00     |
| 55   | Dibenzofuran               | 1.706 | 1.717 | -0.6  | 94    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.229 | 0.201 | 12.2  | 81    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.393 | 0.402 | -2.3  | 94    | 0.00     |
| 58   | Fluorene                   | 1.349 | 1.370 | -1.6  | 95    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.379 | 0.419 | -10.6 | 102   | 0.00     |
| 60   | Diethylphthalate           | 1.421 | 1.415 | 0.4   | 92    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.664 | 0.674 | -1.5  | 94    | -0.01    |
| 62   | 4-Nitroaniline             | 0.376 | 0.354 | 5.9   | 87    | 0.00     |
| 63   | Azobenzene                 | 1.346 | 1.335 | 0.8   | 92    | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.105 | 0.100 | 4.8   | 90    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.614 | 0.614 | 0.0   | 94    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.224 | 0.226 | -0.9  | 94    | -0.01    |
| 68   | Hexachlorobenzene          | 0.257 | 0.260 | -1.2  | 94    | -0.01    |
| 69   | Atrazine                   | 0.194 | 0.197 | -1.5  | 94    | -0.01    |
| 70 C | Pentachlorophenol          | 0.121 | 0.102 | 15.7  | 80    | 0.00     |
| 71   | Phenanthrene               | 0.994 | 0.999 | -0.5  | 93    | -0.01    |
| 72   | Anthracene                 | 1.011 | 1.020 | -0.9  | 94    | -0.01    |
| 73   | Carbazole                  | 0.946 | 0.971 | -2.6  | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.125 | 1.117 | 0.7   | 91    | -0.02    |
| 75 C | Fluoranthene               | 1.065 | 1.072 | -0.7  | 92    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 89    | -0.01    |
| 77   | Benzidine                  | 0.744 | 0.698 | 6.2   | 84    | -0.01    |
| 78   | Pyrene                     | 1.522 | 1.576 | -3.5  | 93    | -0.01    |
| 79 S | Terphenyl-d14              | 0.982 | 1.011 | -3.0  | 92    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.619 | 0.618 | 0.2   | 88    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.154 | 1.174 | -1.7  | 89    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.444 | 0.445 | -0.2  | 86    | -0.01    |
| 83   | Chrysene                   | 1.170 | 1.169 | 0.1   | 89    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.749 | 0.770 | -2.8  | 90    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.217 | 1.168 | 4.0   | 86    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.080 | 1.132 | -4.8  | 107   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 92    | -0.02    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.224 | 1.160 | 5.2   | 88    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 1.099 | 1.161 | -5.6  | 91    | -0.01    |
| 90 C | Benzo(a)pyrene         | 1.088 | 1.092 | -0.4  | 92    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 1.017 | 1.123 | -10.4 | 106   | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.038 | 1.192 | -14.8 | 112   | 0.00     |

(#) = Out of Range

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