

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102518\  
 Data File : BF110163.D  
 Acq On : 25 Oct 2018 16:27  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 25 18:08:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 23 15:06:18 2018  
 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  | 86    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.643 | 0.612 | 4.8  | 83    | -0.02    |
| 3    | Pyridine                    | 1.433 | 1.400 | 2.3  | 81    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.600 | 0.586 | 2.3  | 82    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.228 | 1.201 | 2.2  | 84    | -0.01    |
| 6    | Aniline                     | 2.046 | 2.002 | 2.2  | 84    | -0.01    |
| 7 S  | Phenol-d6                   | 1.571 | 1.509 | 3.9  | 83    | -0.01    |
| 8    | 2-Chlorophenol              | 1.416 | 1.398 | 1.3  | 84    | -0.02    |
| 9    | Benzaldehyde                | 0.954 | 0.878 | 8.0  | 80    | -0.01    |
| 10 C | Phenol                      | 1.679 | 1.636 | 2.6  | 84    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.381 | 1.332 | 3.5  | 84    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.558 | 1.515 | 2.8  | 84    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.576 | 1.545 | 2.0  | 85    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.463 | 1.430 | 2.3  | 84    | -0.02    |
| 15   | Benzyl Alcohol              | 1.208 | 1.221 | -1.1 | 85    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.209 | 2.159 | 2.3  | 84    | -0.02    |
| 17   | 2-Methylphenol              | 1.128 | 1.109 | 1.7  | 84    | -0.01    |
| 18   | Hexachloroethane            | 0.577 | 0.570 | 1.2  | 86    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.008 | 0.972 | 3.6  | 84    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.459 | 1.428 | 2.1  | 84    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 86    | -0.02    |
| 22   | Acetophenone                | 0.461 | 0.440 | 4.6  | 83    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.337 | 0.335 | 0.6  | 84    | -0.02    |
| 24   | Nitrobenzene                | 0.348 | 0.346 | 0.6  | 85    | -0.02    |
| 25   | Isophorone                  | 0.575 | 0.549 | 4.5  | 82    | -0.02    |
| 26 C | 2-Nitrophenol               | 0.166 | 0.175 | -5.4 | 87    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.275 | 0.267 | 2.9  | 84    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.390 | 0.375 | 3.8  | 84    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.272 | 1.8  | 83    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.311 | 0.307 | 1.3  | 85    | -0.01    |
| 31   | Naphthalene                 | 0.922 | 0.893 | 3.1  | 85    | -0.02    |
| 32   | Benzoic acid                | 0.212 | 0.213 | -0.5 | 84    | 0.01     |
| 33   | 4-Chloroaniline             | 0.415 | 0.395 | 4.8  | 83    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.173 | 0.171 | 1.2  | 87    | -0.01    |
| 35   | Caprolactam                 | 0.097 | 0.092 | 5.2  | 79    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.300 | 0.289 | 3.7  | 82    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.610 | 0.584 | 4.3  | 83    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.589 | 0.561 | 4.8  | 83    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 87    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.623 | 0.596 | 4.3  | 84    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.319 | 0.310 | 2.8  | 79    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.198 | 0.191 | 3.5  | 84    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.402 | 0.393 | 2.2  | 83    | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.425 | 0.408 | 4.0  | 83    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.274 | 1.239 | 2.7  | 85    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.809 | 1.722 | 4.8  | 85    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.327 | 1.276 | 3.8  | 84    | -0.02    |
| 48   | 2-Nitroaniline             | 0.402 | 0.396 | 1.5  | 84    | -0.01    |
| 49   | Acenaphthylene             | 1.916 | 1.815 | 5.3  | 83    | -0.02    |
| 50   | Dimethylphthalate          | 1.476 | 1.394 | 5.6  | 83    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.318 | 0.321 | -0.9 | 84    | -0.01    |
| 52 C | Acenaphthene               | 1.268 | 1.221 | 3.7  | 85    | -0.02    |
| 53   | 3-Nitroaniline             | 0.378 | 0.367 | 2.9  | 81    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.112 | 0.115 | -2.7 | 88    | -0.01    |
| 55   | Dibenzofuran               | 1.775 | 1.672 | 5.8  | 82    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.280 | 0.278 | 0.7  | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.404 | 0.413 | -2.2 | 84    | -0.01    |
| 58   | Fluorene                   | 1.321 | 1.232 | 6.7  | 82    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.346 | 0.334 | 3.5  | 82    | -0.01    |
| 60   | Diethylphthalate           | 1.441 | 1.372 | 4.8  | 83    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.697 | 0.659 | 5.5  | 84    | -0.01    |
| 62   | 4-Nitroaniline             | 0.376 | 0.366 | 2.7  | 83    | -0.01    |
| 63   | Azobenzene                 | 1.431 | 1.344 | 6.1  | 83    | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 85    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.091 | 0.091 | 0.0  | 82    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.656 | 0.637 | 2.9  | 83    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.217 | 0.211 | 2.8  | 83    | -0.01    |
| 68   | Hexachlorobenzene          | 0.230 | 0.223 | 3.0  | 83    | -0.02    |
| 69   | Atrazine                   | 0.207 | 0.199 | 3.9  | 81    | -0.01    |
| 70 C | Pentachlorophenol          | 0.134 | 0.140 | -4.5 | 80    | -0.01    |
| 71   | Phenanthrene               | 1.046 | 0.986 | 5.7  | 82    | -0.02    |
| 72   | Anthracene                 | 1.049 | 1.007 | 4.0  | 83    | -0.02    |
| 73   | Carbazole                  | 1.024 | 0.975 | 4.8  | 82    | -0.01    |
| 74   | Di-n-butylphthalate        | 1.157 | 1.113 | 3.8  | 82    | -0.02    |
| 75 C | Fluoranthene               | 1.062 | 0.985 | 7.3  | 80    | -0.01    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 78    | -0.01    |
| 77   | Benzidine                  | 0.681 | 0.653 | 4.1  | 84    | -0.01    |
| 78   | Pyrene                     | 1.434 | 1.456 | -1.5 | 80    | -0.02    |
| 79 S | Terphenyl-d14              | 0.962 | 0.968 | -0.6 | 81    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.622 | 0.621 | 0.2  | 77    | -0.01    |
| 81   | Benzo(a)anthracene         | 1.186 | 1.140 | 3.9  | 75    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.413 | 0.392 | 5.1  | 73    | -0.01    |
| 83   | Chrysene                   | 1.127 | 1.055 | 6.4  | 74    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.841 | 0.789 | 6.2  | 72    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.308 | 1.162 | 11.2 | 69    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.935 | 0.833 | 10.9 | 77    | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 71    | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.155 | 1.122 | 2.9  | 68    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 1.135 | 1.151 | -1.4 | 72    | -0.02    |
| 90 C | Benzo(a)pyrene         | 1.063 | 1.043 | 1.9  | 70    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 0.917 | 0.958 | -4.5 | 76    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 0.904 | 0.963 | -6.5 | 78    | -0.02    |

(#) = Out of Range

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