

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031119\  
 Data File : BM019105.D  
 Acq On : 11 Mar 2019 22:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 12 04:45:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 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   | 25#   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.549 | 0.497 | 9.5   | 24#   | 0.00     |
| 3    | Pyridine                    | 1.495 | 1.594 | -6.6  | 26#   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.465 | 0.403 | 13.3  | 22#   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.235 | 1.201 | 2.8   | 25#   | 0.00     |
| 6    | Aniline                     | 2.332 | 2.345 | -0.6  | 26#   | 0.00     |
| 7 S  | Phenol-d6                   | 1.806 | 1.842 | -2.0  | 26#   | -0.01    |
| 8    | 2-Chlorophenol              | 1.484 | 1.512 | -1.9  | 26#   | 0.00     |
| 9    | Benzaldehyde                | 1.136 | 1.167 | -2.7  | 26#   | 0.00     |
| 10 C | Phenol                      | 1.947 | 2.011 | -3.3  | 26#   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.486 | 1.427 | 4.0   | 24#   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.571 | 1.541 | 1.9   | 26#   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.601 | 1.581 | 1.2   | 26#   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.558 | 1.576 | -1.2  | 26#   | 0.00     |
| 15   | Benzyl Alcohol              | 1.495 | 1.508 | -0.9  | 25#   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.517 | 1.549 | -2.1  | 27#   | -0.01    |
| 17   | 2-Methylphenol              | 1.269 | 1.311 | -3.3  | 26#   | 0.00     |
| 18   | Hexachloroethane            | 0.595 | 0.582 | 2.2   | 25#   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.482 | 1.479 | 0.2   | 25#   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.722 | 1.789 | -3.9  | 26#   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 26#   | 0.00     |
| 22   | Acetophenone                | 0.553 | 0.545 | 1.4   | 26#   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.423 | 0.411 | 2.8   | 26#   | 0.00     |
| 24   | Nitrobenzene                | 0.440 | 0.441 | -0.2  | 26#   | 0.00     |
| 25   | Isophorone                  | 0.807 | 0.773 | 4.2   | 25#   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.182 | 0.172 | 5.5   | 24#   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.271 | 0.268 | 1.1   | 26#   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.478 | 0.464 | 2.9   | 26#   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.300 | 0.299 | 0.3   | 26#   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.339 | 0.336 | 0.9   | 27#   | -0.01    |
| 31   | Naphthalene                 | 1.054 | 1.044 | 0.9   | 27#   | 0.00     |
| 32   | Benzoic acid                | 0.230 | 0.153 | 33.5# | 17#   | -0.07    |
| 33   | 4-Chloroaniline             | 0.432 | 0.426 | 1.4   | 26#   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.194 | 0.185 | 4.6   | 26#   | 0.00     |
| 35   | Caprolactam                 | 0.107 | 0.099 | 7.5   | 23#   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.371 | 0.368 | 0.8   | 26#   | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.766 | 0.760 | 0.8   | 27#   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.755 | 0.751 | 0.5   | 27#   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 26#   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.633 | 0.620 | 2.1   | 26#   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.287 | 0.208 | 27.5# | 19#   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.295 | 0.284 | 3.7   | 25#   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.409 | 0.399 | 2.4   | 25#   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.437 | 0.426 | 2.5   | 25#   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.538 | 1.507 | 2.0    | 26#   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.747 | 1.725 | 1.3    | 27#   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.304 | 1.308 | -0.3   | 27#   | 0.00     |
| 48   | 2-Nitroaniline             | 0.437 | 0.410 | 6.2    | 24#   | 0.00     |
| 49   | Acenaphthylene             | 2.204 | 2.205 | -0.0   | 27#   | 0.00     |
| 50   | Dimethylphthalate          | 1.711 | 1.681 | 1.8    | 27#   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.370 | 0.357 | 3.5    | 25#   | 0.00     |
| 52 C | Acenaphthene               | 1.267 | 1.259 | 0.6    | 27#   | 0.00     |
| 53   | 3-Nitroaniline             | 0.392 | 0.352 | 10.2   | 24#   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.215 | 0.139 | 35.3#  | 17#   | 0.00     |
| 55   | Dibenzofuran               | 2.043 | 2.012 | 1.5    | 27#   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.320 | 0.276 | 13.7   | 23#   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.537 | 0.487 | 9.3    | 24#   | 0.00     |
| 58   | Fluorene                   | 1.684 | 1.625 | 3.5    | 26#   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.407 | 0.401 | 1.5    | 26#   | 0.00     |
| 60   | Diethylphthalate           | 1.733 | 1.692 | 2.4    | 26#   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.818 | 0.790 | 3.4    | 26#   | 0.00     |
| 62   | 4-Nitroaniline             | 0.395 | 0.348 | 11.9   | 24#   | -0.01    |
| 63   | Azobenzene                 | 1.823 | 1.804 | 1.0    | 26#   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 27#   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.131 | 0.101 | 22.9   | 21#   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.637 | 0.622 | 2.4    | 26#   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.213 | 3.6    | 26#   | 0.00     |
| 68   | Hexachlorobenzene          | 0.262 | 0.256 | 2.3    | 27#   | 0.00     |
| 69   | Atrazine                   | 0.214 | 0.207 | 3.3    | 26#   | 0.00     |
| 70 C | Pentachlorophenol          | 0.158 | 0.140 | 11.4   | 24#   | 0.00     |
| 71   | Phenanthrene               | 1.172 | 1.140 | 2.7    | 27#   | 0.00     |
| 72   | Anthracene                 | 1.148 | 1.114 | 3.0    | 26#   | 0.00     |
| 73   | Carbazole                  | 1.083 | 1.087 | -0.4   | 27#   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.310 | 1.267 | 3.3    | 26#   | 0.00     |
| 75 C | Fluoranthene               | 1.345 | 1.356 | -0.8   | 28#   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 31#   | 0.00     |
| 77   | Benzidine                  | 0.567 | 0.546 | 3.7    | 30#   | 0.00     |
| 78   | Pyrene                     | 1.265 | 1.183 | 6.5    | 28#   | 0.00     |
| 79 S | Terphenyl-d14              | 1.007 | 0.934 | 7.2    | 28#   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.551 | 0.514 | 6.7    | 27#   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.255 | 1.224 | 2.5    | 31#   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.483 | 0.498 | -3.1   | 31#   | 0.00     |
| 83   | Chrysene                   | 1.214 | 1.211 | 0.2    | 31#   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.802 | 0.767 | 4.4    | 28#   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.350 | 1.386 | -2.7   | 32#   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.307 | 1.891 | -44.7# | 51    | -0.01    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 40#   | 0.00     |

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|------|------------------------|-------|-------|--------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.296 | 1.185 | 8.6    | 37#   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.192 | 1.154 | 3.2    | 38#   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.165 | 1.144 | 1.8    | 39#   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.114 | 1.361 | -22.2  | 51    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 1.023 | 1.315 | -28.5# | 54    | -0.01    |

(#) = Out of Range

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