

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030619\  
 Data File : BG039782.D  
 Acq On : 6 Mar 2019 11:31  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 07 00:07:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 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  | 93    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.541 | 0.544 | -0.6 | 98    | -0.01    |
| 3    | Pyridine                    | 1.449 | 1.542 | -6.4 | 93    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.687 | 0.748 | -8.9 | 99    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.217 | -3.8 | 96    | -0.01    |
| 6    | Aniline                     | 2.290 | 2.397 | -4.7 | 97    | -0.01    |
| 7 S  | Phenol-d6                   | 1.748 | 1.879 | -7.5 | 98    | -0.01    |
| 8    | 2-Chlorophenol              | 1.422 | 1.468 | -3.2 | 95    | 0.00     |
| 9    | Benzaldehyde                | 1.128 | 1.189 | -5.4 | 97    | -0.01    |
| 10 C | Phenol                      | 1.894 | 2.006 | -5.9 | 96    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.476 | 1.552 | -5.1 | 99    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.609 | 1.651 | -2.6 | 95    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.638 | 1.662 | -1.5 | 96    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.583 | 1.587 | -0.3 | 94    | -0.01    |
| 15   | Benzyl Alcohol              | 1.387 | 1.482 | -6.8 | 96    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.953 | 3.083 | -4.4 | 98    | -0.01    |
| 17   | 2-Methylphenol              | 1.207 | 1.287 | -6.6 | 97    | -0.01    |
| 18   | Hexachloroethane            | 0.588 | 0.601 | -2.2 | 98    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.258 | 1.300 | -3.3 | 93    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.677 | 1.819 | -8.5 | 98    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 97    | -0.01    |
| 22   | Acetophenone                | 0.537 | 0.538 | -0.2 | 95    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.370 | 0.375 | -1.4 | 96    | -0.01    |
| 24   | Nitrobenzene                | 0.388 | 0.387 | 0.3  | 95    | 0.00     |
| 25   | Isophorone                  | 0.775 | 0.789 | -1.8 | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.187 | 0.186 | 0.5  | 91    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.291 | 0.294 | -1.0 | 95    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.471 | 0.462 | 1.9  | 93    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.328 | 0.346 | -5.5 | 98    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.369 | 0.359 | 2.7  | 95    | -0.01    |
| 31   | Naphthalene                 | 1.059 | 1.055 | 0.4  | 95    | 0.00     |
| 32   | Benzoic acid                | 0.181 | 0.198 | -9.4 | 103   | 0.00     |
| 33   | 4-Chloroaniline             | 0.449 | 0.466 | -3.8 | 97    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.252 | 0.244 | 3.2  | 93    | -0.01    |
| 35   | Caprolactam                 | 0.125 | 0.133 | -6.4 | 98    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.376 | 0.402 | -6.9 | 99    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.792 | 0.803 | -1.4 | 97    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.769 | 0.778 | -1.2 | 96    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.678 | 0.664 | 2.1  | 96    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.363 | 0.336 | 7.4  | 89    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.233 | 0.235 | -0.9 | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.397 | 0.419 | -5.5 | 100   | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.447 | 0.461 | -3.1 | 95    | -0.01    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.405 | 1.369 | 2.6  | 96    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.645 | 1.624 | 1.3  | 97    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.238 | 1.228 | 0.8  | 98    | 0.00     |
| 48   | 2-Nitroaniline             | 0.398 | 0.421 | -5.8 | 99    | 0.00     |
| 49   | Acenaphthylene             | 2.031 | 2.064 | -1.6 | 98    | -0.01    |
| 50   | Dimethylphthalate          | 1.672 | 1.635 | 2.2  | 94    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.355 | 0.361 | -1.7 | 94    | 0.00     |
| 52 C | Acenaphthene               | 1.223 | 1.206 | 1.4  | 96    | 0.00     |
| 53   | 3-Nitroaniline             | 0.356 | 0.364 | -2.2 | 96    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.197 | 0.177 | 10.2 | 83    | 0.00     |
| 55   | Dibenzofuran               | 2.006 | 1.999 | 0.3  | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.319 | 0.307 | 3.8  | 90    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.498 | 0.512 | -2.8 | 95    | 0.00     |
| 58   | Fluorene                   | 1.577 | 1.572 | 0.3  | 97    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.437 | 0.458 | -4.8 | 98    | 0.00     |
| 60   | Diethylphthalate           | 1.656 | 1.654 | 0.1  | 95    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.842 | 0.827 | 1.8  | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.386 | 0.399 | -3.4 | 95    | 0.00     |
| 63   | Azobenzene                 | 1.501 | 1.537 | -2.4 | 100   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.113 | 4.2  | 89    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.579 | 0.600 | -3.6 | 95    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.224 | 0.230 | -2.7 | 97    | -0.01    |
| 68   | Hexachlorobenzene          | 0.232 | 0.234 | -0.9 | 95    | -0.01    |
| 69   | Atrazine                   | 0.228 | 0.234 | -2.6 | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 0.147 | 0.144 | 2.0  | 90    | 0.00     |
| 71   | Phenanthrene               | 1.102 | 1.115 | -1.2 | 95    | 0.00     |
| 72   | Anthracene                 | 1.074 | 1.096 | -2.0 | 96    | 0.00     |
| 73   | Carbazole                  | 0.968 | 0.976 | -0.8 | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.139 | 1.175 | -3.2 | 97    | 0.00     |
| 75 C | Fluoranthene               | 1.302 | 1.292 | 0.8  | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 96    | -0.01    |
| 77   | Benzidine                  | 0.635 | 0.645 | -1.6 | 87    | 0.00     |
| 78   | Pyrene                     | 1.300 | 1.318 | -1.4 | 95    | -0.01    |
| 79 S | Terphenyl-d14              | 0.908 | 0.911 | -0.3 | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.504 | 0.536 | -6.3 | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.253 | 1.250 | 0.2  | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.458 | 0.470 | -2.6 | 94    | 0.00     |
| 83   | Chrysene                   | 1.215 | 1.197 | 1.5  | 94    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.708 | 0.749 | -5.8 | 97    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.172 | 1.251 | -6.7 | 96    | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.379 | 1.402 | -1.7 | 94    | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 91    | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.193 | 1.219 | -2.2 | 94    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 1.110 | 1.128 | -1.6 | 94    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.102 | 1.150 | -4.4 | 95    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 1.080 | 1.094 | -1.3 | 94    | -0.02    |
| 92   | Benzo(g,h,i)perylene   | 1.085 | 1.124 | -3.6 | 95    | -0.02    |

(#) = Out of Range

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