

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
 Data File : BG040002.D  
 Acq On : 19 Mar 2019 14:42  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 20 04:07:17 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  | 114   | -0.02    |
| 2    | 1,4-Dioxane                 | 0.541 | 0.498 | 7.9  | 110   | -0.02    |
| 3    | Pyridine                    | 1.449 | 1.444 | 0.3  | 107   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.687 | 0.738 | -7.4 | 120   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.146 | 2.2  | 111   | -0.02    |
| 6    | Aniline                     | 2.290 | 2.093 | 8.6  | 104   | -0.02    |
| 7 S  | Phenol-d6                   | 1.748 | 1.641 | 6.1  | 105   | -0.02    |
| 8    | 2-Chlorophenol              | 1.422 | 1.327 | 6.7  | 106   | -0.02    |
| 9    | Benzaldehyde                | 1.128 | 0.916 | 18.8 | 92    | -0.02    |
| 10 C | Phenol                      | 1.894 | 1.750 | 7.6  | 103   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.476 | 1.371 | 7.1  | 107   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.609 | 1.517 | 5.7  | 108   | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.638 | 1.540 | 6.0  | 109   | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.583 | 1.468 | 7.3  | 107   | -0.02    |
| 15   | Benzyl Alcohol              | 1.387 | 1.264 | 8.9  | 101   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.953 | 2.720 | 7.9  | 106   | -0.01    |
| 17   | 2-Methylphenol              | 1.207 | 1.103 | 8.6  | 102   | -0.02    |
| 18   | Hexachloroethane            | 0.588 | 0.562 | 4.4  | 113   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.258 | 1.098 | 12.7 | 97    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.677 | 1.487 | 11.3 | 99    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 106   | -0.02    |
| 22   | Acetophenone                | 0.537 | 0.509 | 5.2  | 99    | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.370 | 0.374 | -1.1 | 105   | -0.02    |
| 24   | Nitrobenzene                | 0.388 | 0.383 | 1.3  | 103   | -0.02    |
| 25   | Isophorone                  | 0.775 | 0.729 | 5.9  | 97    | -0.02    |
| 26 C | 2-Nitrophenol               | 0.187 | 0.184 | 1.6  | 99    | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.291 | 0.277 | 4.8  | 98    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.471 | 0.435 | 7.6  | 96    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.328 | 0.316 | 3.7  | 98    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.369 | 0.353 | 4.3  | 102   | -0.02    |
| 31   | Naphthalene                 | 1.059 | 0.987 | 6.8  | 98    | -0.02    |
| 32   | Benzoic acid                | 0.181 | 0.181 | 0.0  | 104   | 0.00     |
| 33   | 4-Chloroaniline             | 0.449 | 0.417 | 7.1  | 95    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.252 | 0.245 | 2.8  | 103   | -0.02    |
| 35   | Caprolactam                 | 0.125 | 0.115 | 8.0  | 94    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.376 | 0.349 | 7.2  | 94    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.792 | 0.720 | 9.1  | 95    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.769 | 0.697 | 9.4  | 94    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 101   | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.678 | 0.642 | 5.3  | 96    | -0.02    |
| 41 P | Hexachlorocyclopentadiene   | 0.363 | 0.380 | -4.7 | 104   | -0.02    |
| 42 S | 2,4,6-Tribromophenol        | 0.233 | 0.230 | 1.3  | 95    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol       | 0.397 | 0.395 | 0.5  | 97    | -0.02    |
| 44   | 2,4,5-Trichlorophenol       | 0.447 | 0.424 | 5.1  | 91    | -0.02    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
 Data File : BG040002.D  
 Acq On : 19 Mar 2019 14:42  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 20 04:07:17 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) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.405 | 1.311 | 6.7   | 95    | -0.02    |
| 46   | 1,1'-Biphenyl              | 1.645 | 1.526 | 7.2   | 94    | -0.02    |
| 47   | 2-Chloronaphthalene        | 1.238 | 1.142 | 7.8   | 94    | -0.02    |
| 48   | 2-Nitroaniline             | 0.398 | 0.408 | -2.5  | 99    | -0.01    |
| 49   | Acenaphthylene             | 2.031 | 1.905 | 6.2   | 93    | -0.02    |
| 50   | Dimethylphthalate          | 1.672 | 1.537 | 8.1   | 92    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.355 | 0.354 | 0.3   | 95    | -0.02    |
| 52 C | Acenaphthene               | 1.223 | 1.125 | 8.0   | 93    | -0.02    |
| 53   | 3-Nitroaniline             | 0.356 | 0.352 | 1.1   | 96    | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 0.197 | 0.219 | -11.2 | 107   | -0.01    |
| 55   | Dibenzofuran               | 2.006 | 1.838 | 8.4   | 92    | -0.02    |
| 56 P | 4-Nitrophenol              | 0.319 | 0.327 | -2.5  | 99    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.498 | 0.504 | -1.2  | 97    | -0.01    |
| 58   | Fluorene                   | 1.577 | 1.470 | 6.8   | 94    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.437 | 0.420 | 3.9   | 93    | -0.01    |
| 60   | Diethylphthalate           | 1.656 | 1.548 | 6.5   | 92    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.842 | 0.768 | 8.8   | 92    | -0.02    |
| 62   | 4-Nitroaniline             | 0.386 | 0.393 | -1.8  | 96    | -0.01    |
| 63   | Azobenzene                 | 1.501 | 1.437 | 4.3   | 96    | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 104   | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.121 | -2.5  | 105   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.579 | 0.528 | 8.8   | 92    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.224 | 0.202 | 9.8   | 93    | -0.02    |
| 68   | Hexachlorobenzene          | 0.232 | 0.212 | 8.6   | 95    | -0.02    |
| 69   | Atrazine                   | 0.228 | 0.213 | 6.6   | 95    | -0.01    |
| 70 C | Pentachlorophenol          | 0.147 | 0.143 | 2.7   | 98    | -0.01    |
| 71   | Phenanthrene               | 1.102 | 1.014 | 8.0   | 95    | -0.01    |
| 72   | Anthracene                 | 1.074 | 1.004 | 6.5   | 97    | -0.02    |
| 73   | Carbazole                  | 0.968 | 0.940 | 2.9   | 101   | -0.01    |
| 74   | Di-n-butylphthalate        | 1.139 | 1.159 | -1.8  | 105   | -0.02    |
| 75 C | Fluoranthene               | 1.302 | 1.287 | 1.2   | 104   | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | -0.02    |
| 77   | Benzidine                  | 0.635 | 0.638 | -0.5  | 83    | -0.01    |
| 78   | Pyrene                     | 1.300 | 1.503 | -15.6 | 104   | -0.02    |
| 79 S | Terphenyl-d14              | 0.908 | 1.034 | -13.9 | 105   | -0.02    |
| 80   | Butylbenzylphthalate       | 0.504 | 0.521 | -3.4  | 91    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.253 | 1.178 | 6.0   | 85    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.458 | 0.399 | 12.9  | 76    | -0.02    |
| 83   | Chrysene                   | 1.215 | 1.124 | 7.5   | 85    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.708 | 0.657 | 7.2   | 82    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.172 | 1.115 | 4.9   | 82    | -0.03    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.379 | 1.233 | 10.6  | 80    | -0.05    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 83    | -0.04    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
Data File : BG040002.D  
Acq On : 19 Mar 2019 14:42  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 20 04:07:17 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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.193 | 1.130 | 5.3  | 80    | -0.03    |
| 89   | Benzo(k)fluoranthene   | 1.110 | 1.037 | 6.6  | 79    | -0.03    |
| 90 C | Benzo(a)pyrene         | 1.102 | 1.074 | 2.5  | 81    | -0.04    |
| 91   | Dibenzo(a,h)anthracene | 1.080 | 1.009 | 6.6  | 79    | -0.06    |
| 92   | Benzo(g,h,i)perylene   | 1.085 | 1.028 | 5.3  | 79    | -0.06    |

(#) = Out of Range

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