

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG022519\  
 Data File : BG039586.D  
 Acq On : 25 Feb 2019 14:38  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 25 16:59:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 25 16:56:03 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    | 121   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.511 | 0.488 | 4.5    | 118   | -0.01    |
| 3    | Pyridine                    | 1.353 | 1.387 | -2.5   | 118   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.677 | 0.601 | 11.2   | 109   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.169 | 1.179 | -0.9   | 124   | 0.00     |
| 6    | Aniline                     | 2.155 | 2.155 | 0.0    | 124   | -0.01    |
| 7 S  | Phenol-d6                   | 1.720 | 1.802 | -4.8   | 127   | 0.00     |
| 8    | 2-Chlorophenol              | 1.277 | 1.339 | -4.9   | 127   | -0.01    |
| 9    | Benzaldehyde                | 0.938 | 0.909 | 3.1    | 129   | -0.01    |
| 10 C | Phenol                      | 1.793 | 1.865 | -4.0   | 129   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.417 | 1.438 | -1.5   | 125   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.547 | 1.536 | 0.7    | 123   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.542 | 1.546 | -0.3   | 124   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.493 | 1.502 | -0.6   | 125   | -0.02    |
| 15   | Benzyl Alcohol              | 1.350 | 1.357 | -0.5   | 120   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.200 | 2.692 | 15.9   | 106   | -0.03    |
| 17   | 2-Methylphenol              | 1.160 | 1.186 | -2.2   | 126   | 0.00     |
| 18   | Hexachloroethane            | 0.531 | 0.535 | -0.8   | 125   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.221 | 1.201 | 1.6    | 118   | -0.03    |
| 20   | 3+4-Methylphenols           | 1.598 | 1.727 | -8.1   | 129   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 123   | -0.02    |
| 22   | Acetophenone                | 0.537 | 0.519 | 3.4    | 125   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.320 | 0.374 | -16.9  | 148   | -0.01    |
| 24   | Nitrobenzene                | 0.346 | 0.386 | -11.6  | 144   | -0.01    |
| 25   | Isophorone                  | 0.709 | 0.662 | 6.6    | 119   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.127 | 0.192 | -51.2# | 198#  | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.287 | 0.285 | 0.7    | 127   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.437 | 0.430 | 1.6    | 123   | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.314 | 0.346 | -10.2  | 139   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.352 | 0.368 | -4.5   | 132   | -0.01    |
| 31   | Naphthalene                 | 0.992 | 0.972 | 2.0    | 127   | -0.02    |
| 32   | Benzoic acid                | 0.163 | 0.209 | -28.2# | 161#  | 0.00     |
| 33   | 4-Chloroaniline             | 0.460 | 0.469 | -2.0   | 130   | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.234 | 0.242 | -3.4   | 131   | -0.03    |
| 35   | Caprolactam                 | 0.130 | 0.129 | 0.8    | 119   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.363 | 0.379 | -4.4   | 130   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.735 | 0.716 | 2.6    | 126   | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.708 | 0.694 | 2.0    | 127   | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 126   | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.636 | 0.668 | -5.0   | 136   | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.347 | 0.329 | 5.2    | 122   | -0.02    |
| 42 S | 2,4,6-Tribromophenol        | 0.215 | 0.233 | -8.4   | 138   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.391 | 0.433 | -10.7  | 138   | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.410 | 0.460 | -12.2  | 136   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.394 | 1.352 | 3.0    | 128   | -0.02    |
| 46   | 1,1'-Biphenyl              | 1.664 | 1.614 | 3.0    | 129   | -0.02    |
| 47   | 2-Chloronaphthalene        | 1.252 | 1.251 | 0.1    | 131   | -0.01    |
| 48   | 2-Nitroaniline             | 0.318 | 0.410 | -28.9# | 165#  | -0.01    |
| 49   | Acenaphthylene             | 1.889 | 1.821 | 3.6    | 126   | -0.01    |
| 50   | Dimethylphthalate          | 1.615 | 1.573 | 2.6    | 127   | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.273 | 0.353 | -29.3# | 161#  | -0.01    |
| 52 C | Acenaphthene               | 1.226 | 1.152 | 6.0    | 121   | -0.01    |
| 53   | 3-Nitroaniline             | 0.298 | 0.355 | -19.1  | 151#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.102 | 0.099 | 2.9    | 131   | 0.00     |
| 55   | Dibenzofuran               | 1.966 | 1.923 | 2.2    | 129   | -0.02    |
| 56 P | 4-Nitrophenol              | 0.254 | 0.246 | 3.1    | 123   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.344 | 0.484 | -40.7# | 179#  | 0.00     |
| 58   | Fluorene                   | 1.465 | 1.402 | 4.3    | 125   | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.384 | 0.406 | -5.7   | 131   | -0.01    |
| 60   | Diethylphthalate           | 1.670 | 1.556 | 6.8    | 123   | -0.03    |
| 61   | 4-Chlorophenyl-phenylether | 0.830 | 0.841 | -1.3   | 134   | -0.02    |
| 62   | 4-Nitroaniline             | 0.317 | 0.364 | -14.8  | 145   | -0.01    |
| 63   | Azobenzene                 | 1.632 | 1.441 | 11.7   | 116   | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 121   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.074 | 0.102 | -37.8# | 178#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.608 | 0.604 | 0.7    | 125   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.222 | 0.232 | -4.5   | 132   | -0.02    |
| 68   | Hexachlorobenzene          | 0.223 | 0.239 | -7.2   | 136   | -0.01    |
| 69   | Atrazine                   | 0.222 | 0.185 | 16.7   | 103   | -0.02    |
| 70 C | Pentachlorophenol          | 0.155 | 0.136 | 12.3   | 107   | -0.01    |
| 71   | Phenanthrene               | 1.035 | 0.985 | 4.8    | 121   | -0.01    |
| 72   | Anthracene                 | 1.020 | 0.983 | 3.6    | 122   | -0.01    |
| 73   | Carbazole                  | 1.018 | 0.940 | 7.7    | 118   | -0.01    |
| 74   | Di-n-butylphthalate        | 1.187 | 1.103 | 7.1    | 118   | -0.03    |
| 75 C | Fluoranthene               | 1.201 | 1.133 | 5.7    | 121   | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 120   | -0.02    |
| 77   | Benzidine                  | 0.656 | 0.444 | 32.3#  | 86    | -0.01    |
| 78   | Pyrene                     | 1.245 | 1.230 | 1.2    | 122   | -0.01    |
| 79 S | Terphenyl-d14              | 0.945 | 0.913 | 3.4    | 121   | -0.02    |
| 80   | Butylbenzylphthalate       | 0.525 | 0.522 | 0.6    | 120   | -0.02    |
| 81   | Benzo(a)anthracene         | 1.182 | 1.157 | 2.1    | 122   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.438 | 0.427 | 2.5    | 119   | -0.02    |
| 83   | Chrysene                   | 1.125 | 1.117 | 0.7    | 122   | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.749 | 0.743 | 0.8    | 120   | -0.04    |
| 85 c | Di-n-octyl phthalate       | 1.238 | 1.209 | 2.3    | 118   | -0.06    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.207 | 1.031 | 14.6   | 104   | -0.07    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 116   | -0.04    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.091 | 1.073 | 1.6  | 117   | -0.04    |
| 89   | Benzo(k)fluoranthene   | 1.095 | 1.076 | 1.7  | 119   | -0.03    |
| 90 C | Benzo(a)pyrene         | 1.050 | 1.045 | 0.5  | 119   | -0.04    |
| 91   | Dibenzo(a,h)anthracene | 0.984 | 0.832 | 15.4 | 102   | -0.07    |
| 92   | Benzo(g,h,i)perylene   | 0.981 | 0.810 | 17.4 | 99    | -0.06    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1