

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG101118\  
 Data File : BG037258.D  
 Acq On : 11 Oct 2018 15:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 11 17:13:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 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   | 107   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.638 | 0.593 | 7.1   | 103   | 0.00     |
| 3    | Pyridine                    | 1.515 | 1.512 | 0.2   | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.588 | 0.591 | -0.5  | 108   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.136 | 1.134 | 0.2   | 105   | 0.00     |
| 6    | Aniline                     | 2.258 | 2.196 | 2.7   | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.725 | 1.704 | 1.2   | 103   | 0.00     |
| 8    | 2-Chlorophenol              | 1.330 | 1.326 | 0.3   | 102   | 0.00     |
| 9    | Benzaldehyde                | 1.188 | 1.185 | 0.3   | 105   | 0.00     |
| 10 C | Phenol                      | 1.817 | 1.792 | 1.4   | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.484 | 1.456 | 1.9   | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.564 | 1.485 | 5.1   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.583 | 1.502 | 5.1   | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.534 | 1.458 | 5.0   | 103   | 0.00     |
| 15   | Benzyl Alcohol              | 1.349 | 1.374 | -1.9  | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.934 | 2.810 | 4.2   | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.217 | 1.216 | 0.1   | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.540 | 0.510 | 5.6   | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.306 | 1.296 | 0.8   | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.701 | 1.735 | -2.0  | 104   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                | 0.504 | 0.488 | 3.2   | 102   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.304 | 0.327 | -7.6  | 106   | 0.00     |
| 24   | Nitrobenzene                | 0.326 | 0.349 | -7.1  | 106   | 0.00     |
| 25   | Isophorone                  | 0.694 | 0.693 | 0.1   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.116 | 0.118 | -1.7  | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.289 | 0.3   | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.434 | 0.433 | 0.2   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.295 | 0.314 | -6.4  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.345 | 3.9   | 102   | 0.00     |
| 31   | Naphthalene                 | 0.972 | 0.963 | 0.9   | 104   | 0.00     |
| 32   | Benzoic acid                | 0.160 | 0.180 | -12.5 | 115   | 0.00     |
| 33   | 4-Chloroaniline             | 0.456 | 0.455 | 0.2   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.223 | 0.209 | 6.3   | 100   | 0.00     |
| 35   | Caprolactam                 | 0.120 | 0.131 | -9.2  | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.348 | 0.369 | -6.0  | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.709 | 0.706 | 0.4   | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.693 | 0.680 | 1.9   | 102   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.648 | 0.625 | 3.5   | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.267 | 0.258 | 3.4   | 101   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.196 | 0.210 | -7.1  | 107   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.376 | 0.403 | -7.2  | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.404 | 0.436 | -7.9  | 108   | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.332 | 1.278 | 4.1   | 103   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.645 | 1.593 | 3.2   | 103   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.243 | 1.202 | 3.3   | 104   | 0.00     |
| 48   | 2-Nitroaniline             | 0.300 | 0.338 | -12.7 | 112   | 0.00     |
| 49   | Acenaphthylene             | 1.901 | 1.848 | 2.8   | 103   | 0.00     |
| 50   | Dimethylphthalate          | 1.572 | 1.563 | 0.6   | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.284 | 0.311 | -9.5  | 112   | 0.00     |
| 52 C | Acenaphthene               | 1.174 | 1.157 | 1.4   | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 0.329 | 0.352 | -7.0  | 109   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.079 | 0.076 | 3.8   | 105   | 0.00     |
| 55   | Dibenzofuran               | 1.905 | 1.838 | 3.5   | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.256 | 0.268 | -4.7  | 106   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.356 | 0.381 | -7.0  | 109   | 0.00     |
| 58   | Fluorene                   | 1.441 | 1.388 | 3.7   | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.358 | 0.388 | -8.4  | 105   | 0.00     |
| 60   | Diethylphthalate           | 1.629 | 1.643 | -0.9  | 104   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.842 | 0.811 | 3.7   | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 0.345 | 0.357 | -3.5  | 106   | 0.00     |
| 63   | Azobenzene                 | 1.562 | 1.522 | 2.6   | 104   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.056 | 0.058 | -3.6  | 106   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.587 | 0.583 | 0.7   | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.216 | 0.215 | 0.5   | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 0.224 | 0.218 | 2.7   | 103   | 0.00     |
| 69   | Atrazine                   | 0.218 | 0.222 | -1.8  | 102   | 0.00     |
| 70 C | Pentachlorophenol          | 0.144 | 0.149 | -3.5  | 105   | 0.00     |
| 71   | Phenanthrene               | 1.018 | 0.979 | 3.8   | 102   | 0.00     |
| 72   | Anthracene                 | 0.996 | 0.973 | 2.3   | 103   | 0.00     |
| 73   | Carbazole                  | 1.027 | 1.003 | 2.3   | 103   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.100 | 1.149 | -4.5  | 103   | 0.00     |
| 75 C | Fluoranthene               | 1.190 | 1.159 | 2.6   | 102   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 77   | Benzidine                  | 0.765 | 0.754 | 1.4   | 93    | 0.00     |
| 78   | Pyrene                     | 1.303 | 1.269 | 2.6   | 101   | 0.00     |
| 79 S | Terphenyl-d14              | 0.952 | 0.916 | 3.8   | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.507 | 0.528 | -4.1  | 105   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.198 | 1.160 | 3.2   | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.462 | 0.467 | -1.1  | 101   | 0.00     |
| 83   | Chrysene                   | 1.143 | 1.108 | 3.1   | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.728 | 0.757 | -4.0  | 104   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.182 | 1.229 | -4.0  | 104   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.266 | 1.273 | -0.6  | 103   | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 106   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.087 | 1.064 | 2.1  | 103   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.073 | 1.053 | 1.9  | 103   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.043 | 1.023 | 1.9  | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.998 | 0.986 | 1.2  | 103   | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 0.996 | 0.978 | 1.8  | 102   | 0.00     |

(#) = Out of Range

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