

Data Path : U:\HPCHEM1\BNA G\DATA\BG011118\  
 Data File : BG031983.D  
 Acq On : 11 Jan 2018 14:31  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 11 15:26:57 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 15:23:30 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    | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.407 | 0.385 | 5.4    | 98    | 0.00     |
| 3    | Pyridine                    | 1.088 | 1.095 | -0.6   | 95    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.439 | 0.463 | -5.5   | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.098 | 1.065 | 3.0    | 96    | 0.00     |
| 6    | Aniline                     | 1.834 | 1.793 | 2.2    | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.426 | 1.472 | -3.2   | 99    | 0.00     |
| 8    | 2-Chlorophenol              | 1.274 | 1.278 | -0.3   | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.858 | 0.733 | 14.6   | 83    | 0.00     |
| 10 C | Phenol                      | 1.439 | 1.432 | 0.5    | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.195 | 1.137 | 4.9    | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.582 | 1.572 | 0.6    | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.616 | 1.593 | 1.4    | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.531 | 1.540 | -0.6   | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.070 | 1.120 | -4.7   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.973 | 0.906 | 6.9    | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.030 | 1.073 | -4.2   | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.489 | 0.498 | -1.8   | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.974 | 0.962 | 1.2    | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.464 | 1.502 | -2.6   | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 22   | Acetophenone                | 0.465 | 0.440 | 5.4    | 96    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.265 | 0.299 | -12.8  | 110   | 0.00     |
| 24   | Nitrobenzene                | 0.273 | 0.294 | -7.7   | 104   | 0.00     |
| 25   | Isophorone                  | 0.570 | 0.538 | 5.6    | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.143 | 0.184 | -28.7# | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.301 | 0.285 | 5.3    | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.383 | 0.365 | 4.7    | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.354 | 0.364 | -2.8   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.432 | 0.426 | 1.4    | 100   | 0.00     |
| 31   | Naphthalene                 | 1.009 | 0.989 | 2.0    | 99    | 0.00     |
| 32   | Benzoic acid                | 0.186 | 0.205 | -10.2  | 105   | 0.00     |
| 33   | 4-Chloroaniline             | 0.449 | 0.428 | 4.7    | 96    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.296 | 0.312 | -5.4   | 107   | 0.00     |
| 35   | Caprolactam                 | 0.107 | 0.106 | 0.9    | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.335 | -2.4   | 103   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.818 | 0.810 | 1.0    | 101   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.842 | 0.862 | -2.4   | 103   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.444 | 0.497 | -11.9  | 109   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.305 | 0.324 | -6.2   | 104   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.486 | 0.507 | -4.3   | 103   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.538 | 0.573 | -6.5   | 105   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.593 | 1.578 | 0.9    | 101   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.708 | 1.697 | 0.6    | 100   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.303 | 1.290 | 1.0    | 100   | 0.00     |
| 47   | 2-Nitroaniline             | 0.225 | 0.276 | -22.7  | 120   | 0.00     |
| 48   | Acenaphthylene             | 2.084 | 2.042 | 2.0    | 99    | 0.00     |
| 49   | Dimethylphthalate          | 1.762 | 1.694 | 3.9    | 97    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.324 | 0.370 | -14.2  | 111   | 0.00     |
| 51 C | Acenaphthene               | 1.365 | 1.359 | 0.4    | 100   | 0.00     |
| 52   | 3-Nitroaniline             | 0.316 | 0.334 | -5.7   | 103   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.115 | 0.149 | -29.6# | 132   | 0.00     |
| 54   | Dibenzofuran               | 2.093 | 2.042 | 2.4    | 99    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.257 | 0.246 | 4.3    | 92    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.417 | 0.504 | -20.9  | 116   | 0.00     |
| 57   | Fluorene                   | 1.700 | 1.618 | 4.8    | 97    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.525 | 0.536 | -2.1   | 102   | 0.00     |
| 59   | Diethylphthalate           | 1.717 | 1.618 | 5.8    | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 1.040 | 1.006 | 3.3    | 98    | 0.00     |
| 61   | 4-Nitroaniline             | 0.309 | 0.334 | -8.1   | 101   | 0.00     |
| 62   | Azobenzene                 | 1.101 | 1.040 | 5.5    | 95    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.086 | 0.122 | -41.9# | 134   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.664 | 0.655 | 1.4    | 95    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.289 | 0.291 | -0.7   | 97    | 0.00     |
| 67   | Hexachlorobenzene          | 0.296 | 0.303 | -2.4   | 99    | 0.00     |
| 68   | Atrazine                   | 0.258 | 0.248 | 3.9    | 92    | 0.00     |
| 69 C | Pentachlorophenol          | 0.203 | 0.207 | -2.0   | 94    | 0.00     |
| 70   | Phenanthrene               | 1.132 | 1.082 | 4.4    | 93    | 0.00     |
| 71   | Anthracene                 | 1.142 | 1.091 | 4.5    | 93    | 0.00     |
| 72   | Carbazole                  | 1.011 | 0.943 | 6.7    | 90    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.123 | 1.061 | 5.5    | 91    | 0.00     |
| 74 C | Fluoranthene               | 1.389 | 1.295 | 6.8    | 92    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 91    | 0.00     |
| 76   | Benzidine                  | 0.617 | 0.600 | 2.8    | 86    | 0.00     |
| 77   | Pyrene                     | 1.278 | 1.262 | 1.3    | 91    | 0.00     |
| 78 S | Terphenyl-d14              | 0.875 | 0.869 | 0.7    | 92    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.429 | 0.438 | -2.1   | 92    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.272 | 1.231 | 3.2    | 89    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.493 | 0.480 | 2.6    | 88    | 0.00     |
| 82   | Chrysene                   | 1.204 | 1.156 | 4.0    | 88    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.621 | 0.598 | 3.7    | 87    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.046 | 0.981 | 6.2    | 84    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.544 | 1.446 | 6.3    | 84    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.241 | 1.215 | 2.1    | 88    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.242 | 1.211 | 2.5  | 86    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.189 | 1.148 | 3.4  | 85    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.228 | 1.166 | 5.0  | 84    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.450 | 1.395 | 3.8  | 84    | 0.00     |

(#) = Out of Range

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