

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG063018\  
 Data File : BG035535.D  
 Acq On : 30 Jun 2018 10:21  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 02 02:16:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 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    | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.565 | 0.507 | 10.3   | 119   | 0.00     |
| 3    | Pyridine                    | 1.526 | 1.548 | -1.4   | 125   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.655 | 0.555 | 15.3   | 105   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.185 | 1.189 | -0.3   | 129   | 0.00     |
| 6    | Aniline                     | 2.261 | 2.273 | -0.5   | 130   | 0.00     |
| 7 S  | Phenol-d6                   | 1.749 | 1.806 | -3.3   | 132   | 0.00     |
| 8    | 2-Chlorophenol              | 1.242 | 1.228 | 1.1    | 126   | 0.00     |
| 9    | Benzaldehyde                | 1.347 | 1.246 | 7.5    | 115   | 0.00     |
| 10 C | Phenol                      | 1.810 | 1.843 | -1.8   | 131   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.405 | 1.390 | 1.1    | 128   | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.482 | 1.508 | -1.8   | 136   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.530 | 1.527 | 0.2    | 130   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.437 | 1.434 | 0.2    | 129   | -0.01    |
| 15   | Benzyl Alcohol              | 1.657 | 1.656 | 0.1    | 128   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.398 | 1.250 | 10.6   | 117   | -0.01    |
| 17   | 2-Methylphenol              | 1.193 | 1.227 | -2.8   | 129   | 0.00     |
| 18   | Hexachloroethane            | 0.548 | 0.544 | 0.7    | 126   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.486 | 1.376 | 7.4    | 119   | -0.01    |
| 20   | 3+4-Methylphenols           | 1.711 | 1.773 | -3.6   | 133   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 134   | -0.01    |
| 22   | Acetophenone                | 0.620 | 0.617 | 0.5    | 132   | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.421 | 0.470 | -11.6  | 142   | -0.01    |
| 24   | Nitrobenzene                | 0.431 | 0.467 | -8.4   | 139   | 0.00     |
| 25   | Isophorone                  | 0.888 | 0.854 | 3.8    | 127   | -0.01    |
| 26 C | 2-Nitrophenol               | 0.149 | 0.195 | -30.9# | 174#  | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.312 | 0.298 | 4.5    | 128   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.477 | 0.479 | -0.4   | 133   | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.340 | 0.364 | -7.1   | 140   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.407 | 0.422 | -3.7   | 134   | -0.01    |
| 31   | Naphthalene                 | 1.039 | 1.065 | -2.5   | 136   | -0.01    |
| 32   | Benzoic acid                | 0.209 | 0.208 | 0.5    | 132   | 0.03     |
| 33   | 4-Chloroaniline             | 0.451 | 0.479 | -6.2   | 139   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.317 | 0.331 | -4.4   | 138   | -0.02    |
| 35   | Caprolactam                 | 0.126 | 0.146 | -15.9  | 156#  | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.423 | 0.474 | -12.1  | 147   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.788 | 0.828 | -5.1   | 137   | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 154#  | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.745 | 0.758 | -1.7   | 152#  | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.467 | 0.402 | 13.9   | 125   | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.256 | 0.310 | -21.1  | 183#  | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.446 | 0.468 | -4.9   | 155#  | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.490 | 0.520 | -6.1   | 162#  | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.538 | 1.445 | 6.0    | 143   | -0.02    |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.608 | 1.534 | 4.6    | 144   | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.216 | 1.183 | 2.7    | 150   | -0.01    |
| 47   | 2-Nitroaniline             | 0.359 | 0.424 | -18.1  | 180#  | 0.00     |
| 48   | Acenaphthylene             | 2.039 | 2.017 | 1.1    | 151#  | -0.01    |
| 49   | Dimethylphthalate          | 1.744 | 1.705 | 2.2    | 150   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.318 | 0.374 | -17.6  | 174#  | 0.00     |
| 51 C | Acenaphthene               | 1.332 | 1.251 | 6.1    | 141   | -0.01    |
| 52   | 3-Nitroaniline             | 0.312 | 0.378 | -21.2  | 174#  | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.129 | 0.165 | -27.9# | 189#  | 0.00     |
| 54   | Dibenzofuran               | 1.995 | 2.011 | -0.8   | 152#  | -0.01    |
| 55 P | 4-Nitrophenol              | 0.263 | 0.287 | -9.1   | 156#  | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 0.423 | 0.552 | -30.5# | 193#  | 0.00     |
| 57   | Fluorene                   | 1.667 | 1.676 | -0.5   | 151#  | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.476 | 0.538 | -13.0  | 170#  | 0.00     |
| 59   | Diethylphthalate           | 1.779 | 1.748 | 1.7    | 151#  | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.951 | 0.993 | -4.4   | 160#  | -0.02    |
| 61   | 4-Nitroaniline             | 0.335 | 0.399 | -19.1  | 172#  | 0.00     |
| 62   | Azobenzene                 | 1.744 | 1.647 | 5.6    | 144   | -0.02    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 163#  | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.091 | 0.125 | -37.4# | 219#  | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.601 | 0.587 | 2.3    | 154#  | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.241 | 0.252 | -4.6   | 169#  | -0.02    |
| 67   | Hexachlorobenzene          | 0.245 | 0.264 | -7.8   | 175#  | -0.01    |
| 68   | Atrazine                   | 0.256 | 0.255 | 0.4    | 158#  | -0.02    |
| 69 C | Pentachlorophenol          | 0.165 | 0.162 | 1.8    | 154#  | -0.01    |
| 70   | Phenanthrene               | 1.016 | 1.003 | 1.3    | 157#  | -0.02    |
| 71   | Anthracene                 | 1.018 | 1.004 | 1.4    | 156#  | -0.01    |
| 72   | Carbazole                  | 0.944 | 0.932 | 1.3    | 156#  | 0.00     |
| 73   | Di-n-butylphthalate        | 1.125 | 1.055 | 6.2    | 149   | -0.03    |
| 74 C | Fluoranthene               | 1.322 | 1.305 | 1.3    | 156#  | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 168#  | -0.02    |
| 76   | Benzidine                  | 0.744 | 0.596 | 19.9   | 131   | -0.02    |
| 77   | Pyrene                     | 1.318 | 1.241 | 5.8    | 156#  | -0.01    |
| 78 S | Terphenyl-d14              | 0.955 | 0.898 | 6.0    | 154#  | -0.02    |
| 79   | Butylbenzylphthalate       | 0.479 | 0.456 | 4.8    | 152#  | -0.02    |
| 80   | Benzo(a)anthracene         | 1.278 | 1.234 | 3.4    | 161#  | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.481 | 0.456 | 5.2    | 153#  | -0.02    |
| 82   | Chrysene                   | 1.170 | 1.153 | 1.5    | 164#  | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.676 | 0.613 | 9.3    | 147   | -0.04    |
| 84 c | Di-n-octyl phthalate       | 1.161 | 1.048 | 9.7    | 146   | -0.06    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.370 | 1.354 | 1.2    | 162#  | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 166#  | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.232 | 1.197 | 2.8    | 157#  | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.205 | 1.183 | 1.8  | 166#  | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.159 | 1.126 | 2.8  | 160#  | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 1.144 | 1.111 | 2.9  | 161#  | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 1.120 | 1.097 | 2.1  | 161#  | -0.04    |

(#) = Out of Range

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