

Data Path : Z:\HPCHEM1\BNA G\Data\BG042618\  
 Data File : BG034016.D  
 Acq On : 26 Apr 2018 18:10  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 27 04:38:12 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 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   | 166#  | -0.02    |
| 2    | 1,4-Dioxane                 | 0.529 | 0.419 | 20.8  | 137   | -0.03    |
| 3    | Pyridine                    | 1.532 | 1.020 | 33.4# | 103   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.698 | 0.464 | 33.5# | 111   | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.253 | 0.958 | 23.5  | 125   | -0.01    |
| 6    | Aniline                     | 2.442 | 1.754 | 28.2# | 113   | -0.01    |
| 7 S  | Phenol-d6                   | 1.827 | 1.436 | 21.4  | 125   | 0.00     |
| 8    | 2-Chlorophenol              | 1.404 | 1.126 | 19.8  | 130   | -0.02    |
| 9    | Benzaldehyde                | 0.996 | 0.715 | 28.2# | 119   | -0.01    |
| 10 C | Phenol                      | 1.872 | 1.320 | 29.5# | 114   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.432 | 1.235 | 13.8  | 137   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.616 | 1.483 | 8.2   | 147   | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.637 | 1.539 | 6.0   | 151#  | -0.03    |
| 14   | 1,2-Dichlorobenzene         | 1.592 | 1.461 | 8.2   | 148   | -0.03    |
| 15   | Benzyl Alcohol              | 1.593 | 1.101 | 30.9# | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.792 | 2.021 | 27.6# | 115   | -0.04    |
| 17   | 2-Methylphenol              | 1.387 | 1.050 | 24.3  | 123   | 0.00     |
| 18   | Hexachloroethane            | 0.598 | 0.553 | 7.5   | 152#  | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.557 | 1.130 | 27.4# | 115   | -0.03    |
| 20   | 3+4-Methylphenols           | 2.015 | 1.398 | 30.6# | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 156#  | -0.03    |
| 22   | Acetophenone                | 0.544 | 0.459 | 15.6  | 132   | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.351 | 0.310 | 11.7  | 137   | -0.01    |
| 24   | Nitrobenzene                | 0.383 | 0.311 | 18.8  | 123   | -0.01    |
| 25   | Isophorone                  | 0.790 | 0.620 | 21.5  | 121   | -0.03    |
| 26 C | 2-Nitrophenol               | 0.151 | 0.128 | 15.2  | 133   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.283 | 0.199 | 29.7# | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.418 | 0.349 | 16.5  | 129   | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.316 | 0.262 | 17.1  | 127   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.353 | 0.351 | 0.6   | 154#  | -0.03    |
| 31   | Naphthalene                 | 1.028 | 0.911 | 11.4  | 138   | -0.03    |
| 32   | Benzoic acid                | 0.262 | 0.163 | 37.8# | 93    | 0.03     |
| 33   | 4-Chloroaniline             | 0.483 | 0.380 | 21.3  | 120   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.211 | 0.212 | -0.5  | 148   | -0.04    |
| 35   | Caprolactam                 | 0.134 | 0.090 | 32.8# | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.385 | 0.280 | 27.3# | 113   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.787 | 0.709 | 9.9   | 140   | -0.03    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 147   | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.664 | 0.664 | 0.0   | 149   | -0.03    |
| 40 P | Hexachlorocyclopentadiene   | 0.365 | 0.329 | 9.9   | 130   | -0.03    |
| 41 S | 2,4,6-Tribromophenol        | 0.233 | 0.216 | 7.3   | 131   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.405 | 0.345 | 14.8  | 126   | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.466 | 0.440 | 5.6   | 139   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.361 | 1.289 | 5.3   | 140   | -0.03    |

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|      | Compound                   | AvqRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.619 | 1.511  | 6.7   | 139   | -0.03    |
| 46   | 2-Chloronaphthalene        | 1.228 | 1.143  | 6.9   | 139   | -0.03    |
| 47   | 2-Nitroaniline             | 0.383 | 0.313  | 18.3  | 119   | 0.00     |
| 48   | Acenaphthylene             | 2.041 | 1.844  | 9.7   | 134   | -0.03    |
| 49   | Dimethylphthalate          | 1.759 | 1.530  | 13.0  | 129   | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 0.333 | 0.305  | 8.4   | 132   | -0.02    |
| 51 C | Acenaphthene               | 1.282 | 1.124  | 12.3  | 127   | -0.03    |
| 52   | 3-Nitroaniline             | 0.362 | 0.323  | 10.8  | 124   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.119 | 0.011# | 90.8# | 14#   | 0.02     |
| 54   | Dibenzofuran               | 1.900 | 1.738  | 8.5   | 136   | -0.03    |
| 55 P | 4-Nitrophenol              | 0.284 | 0.100  | 64.8# | 49#   | 0.05     |
| 56   | 2,4-Dinitrotoluene         | 0.443 | 0.415  | 6.3   | 136   | -0.01    |
| 57   | Fluorene                   | 1.645 | 1.456  | 11.5  | 131   | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.426 | 0.344  | 19.2  | 114   | -0.01    |
| 59   | Diethylphthalate           | 1.860 | 1.550  | 16.7  | 124   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 0.860 | 0.808  | 6.0   | 141   | -0.03    |
| 61   | 4-Nitroaniline             | 0.384 | 0.322  | 16.1  | 119   | 0.00     |
| 62   | Azobenzene                 | 1.658 | 1.279  | 22.9  | 115   | -0.03    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 145   | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.088 | 0.044  | 50.0# | 70    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.581 | 0.532  | 8.4   | 134   | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 0.220 | 0.215  | 2.3   | 142   | -0.03    |
| 67   | Hexachlorobenzene          | 0.234 | 0.228  | 2.6   | 140   | -0.03    |
| 68   | Atrazine                   | 0.228 | 0.202  | 11.4  | 130   | -0.03    |
| 69 C | Pentachlorophenol          | 0.161 | 0.113  | 29.8# | 100   | -0.02    |
| 70   | Phenanthrene               | 1.073 | 0.945  | 11.9  | 128   | -0.03    |
| 71   | Anthracene                 | 1.073 | 0.958  | 10.7  | 129   | -0.03    |
| 72   | Carbazole                  | 1.035 | 0.893  | 13.7  | 127   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.288 | 1.033  | 19.8  | 117   | -0.04    |
| 74 C | Fluoranthene               | 1.298 | 1.127  | 13.2  | 127   | -0.03    |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 143   | -0.04    |
| 76   | Benzidine                  | 0.540 | 0.403  | 25.4# | 107   | -0.01    |
| 77   | Pyrene                     | 1.312 | 1.184  | 9.8   | 127   | -0.03    |
| 78 S | Terphenyl-d14              | 0.890 | 0.798  | 10.3  | 127   | -0.03    |
| 79   | Butylbenzylphthalate       | 0.576 | 0.482  | 16.3  | 118   | -0.04    |
| 80   | Benzo(a)anthracene         | 1.261 | 1.111  | 11.9  | 126   | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 0.470 | 0.424  | 9.8   | 127   | -0.03    |
| 82   | Chrysene                   | 1.204 | 1.082  | 10.1  | 128   | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.814 | 0.671  | 17.6  | 116   | -0.06    |
| 84 c | Di-n-octyl phthalate       | 1.291 | 1.081  | 16.3  | 116   | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.371 | 1.255  | 8.5   | 128   | -0.10    |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 144   | -0.06    |
| 87   | Benzo(b)fluoranthene       | 1.220 | 1.065  | 12.7  | 125   | -0.05    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.212 | 1.095 | 9.7  | 130   | -0.05    |
| 89 C | Benzo(a)pyrene         | 1.169 | 1.045 | 10.6 | 128   | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 1.131 | 1.016 | 10.2 | 129   | -0.11    |
| 91   | Benzo(a,h,i)perylene   | 1.113 | 0.997 | 10.4 | 128   | -0.11    |

(#) = Out of Range

SPCC's out = 1 CCC's out = 3