

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG110117\  
 Data File : BG030626.D  
 Acq On : 1 Nov 2017 9:17  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 01 17:41:07 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 17:41:24 2017  
 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   | 128   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.486 | 0.489 | -0.6  | 119   | 0.00     |
| 3    | Pyridine                    | 1.415 | 1.422 | -0.5  | 117   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.661 | 0.603 | 8.8   | 109   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.197 | 1.159 | 3.2   | 114   | 0.00     |
| 6    | Aniline                     | 2.081 | 2.028 | 2.5   | 113   | 0.00     |
| 7 S  | Phenol-d6                   | 1.680 | 1.616 | 3.8   | 111   | 0.00     |
| 8    | 2-Chlorophenol              | 1.372 | 1.259 | 8.2   | 109   | 0.00     |
| 9    | Benzaldehyde                | 0.845 | 0.934 | -10.5 | 129   | 0.00     |
| 10 C | Phenol                      | 1.812 | 1.628 | 10.2  | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.320 | 1.307 | 1.0   | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.438 | 6.7   | 111   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.488 | 5.4   | 111   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.517 | 1.449 | 4.5   | 114   | 0.00     |
| 15   | Benzyl Alcohol              | 1.184 | 1.191 | -0.6  | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.242 | 1.447 | 35.5# | 76    | 0.00     |
| 17   | 2-Methylphenol              | 1.204 | 1.110 | 7.8   | 108   | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.508 | 5.2   | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.143 | 1.152 | -0.8  | 119   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.696 | 1.614 | 4.8   | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 129   | 0.00     |
| 22   | Acetophenone                | 0.482 | 0.458 | 5.0   | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.315 | 0.304 | 3.5   | 115   | 0.00     |
| 24   | Nitrobenzene                | 0.354 | 0.309 | 12.7  | 104   | 0.00     |
| 25   | Isophorone                  | 0.657 | 0.578 | 12.0  | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.169 | 0.151 | 10.7  | 103   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.306 | 0.247 | 19.3  | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.403 | 0.386 | 4.2   | 115   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.326 | 0.295 | 9.5   | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.353 | 0.342 | 3.1   | 118   | 0.00     |
| 31   | Naphthalene                 | 0.997 | 0.919 | 7.8   | 112   | 0.00     |
| 32   | Benzoic acid                | 0.256 | 0.195 | 23.8  | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 0.419 | 0.408 | 2.6   | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.219 | 0.216 | 1.4   | 119   | 0.00     |
| 35   | Caprolactam                 | 0.108 | 0.108 | 0.0   | 121   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.359 | 0.313 | 12.8  | 106   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.726 | 0.703 | 3.2   | 117   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 136   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.730 | 0.709 | 2.9   | 124   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.247 | 0.274 | -10.9 | 138   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.258 | 0.271 | -5.0  | 130   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.458 | 0.405 | 11.6  | 111   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.471 | 0.436 | 7.4   | 116   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.364 | 1.272 | 6.7   | 119   | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.719 | 1.571 | 8.6   | 116   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.254 | 1.135 | 9.5   | 115   | 0.00     |
| 47   | 2-Nitroaniline             | 0.344 | 0.316 | 8.1   | 111   | 0.00     |
| 48   | Acenaphthylene             | 1.962 | 1.844 | 6.0   | 119   | 0.00     |
| 49   | Dimethylphthalate          | 1.560 | 1.486 | 4.7   | 119   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.327 | 0.314 | 4.0   | 115   | 0.00     |
| 51 C | Acenaphthene               | 1.277 | 1.155 | 9.6   | 113   | 0.00     |
| 52   | 3-Nitroaniline             | 0.353 | 0.340 | 3.7   | 118   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.153 | 0.107 | 30.1# | 87    | 0.00     |
| 54   | Dibenzofuran               | 1.823 | 1.798 | 1.4   | 126   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.291 | 0.259 | 11.0  | 108   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.443 | 0.436 | 1.6   | 118   | 0.00     |
| 57   | Fluorene                   | 1.506 | 1.433 | 4.8   | 121   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.393 | 0.402 | -2.3  | 126   | 0.00     |
| 59   | Diethylphthalate           | 1.555 | 1.506 | 3.2   | 122   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.803 | 0.817 | -1.7  | 129   | 0.00     |
| 61   | 4-Nitroaniline             | 0.362 | 0.360 | 0.6   | 124   | 0.00     |
| 62   | Azobenzene                 | 1.311 | 1.254 | 4.3   | 122   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 142   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.105 | 0.099 | 5.7   | 122   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.599 | 0.583 | 2.7   | 129   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.229 | 0.224 | 2.2   | 130   | 0.00     |
| 67   | Hexachlorobenzene          | 0.260 | 0.239 | 8.1   | 123   | 0.00     |
| 68   | Atrazine                   | 0.214 | 0.215 | -0.5  | 130   | 0.00     |
| 69 C | Pentachlorophenol          | 0.149 | 0.142 | 4.7   | 120   | 0.00     |
| 70   | Phenanthrene               | 1.033 | 0.967 | 6.4   | 125   | 0.00     |
| 71   | Anthracene                 | 1.037 | 0.981 | 5.4   | 125   | 0.00     |
| 72   | Carbazole                  | 0.997 | 0.904 | 9.3   | 120   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.146 | 1.068 | 6.8   | 122   | 0.00     |
| 74 C | Fluoranthene               | 1.208 | 1.178 | 2.5   | 129   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 150   | 0.00     |
| 76   | Benzidine                  | 0.604 | 0.594 | 1.7   | 134   | 0.00     |
| 77   | Pyrene                     | 1.213 | 1.103 | 9.1   | 128   | 0.00     |
| 78 S | Terphenyl-d14              | 0.879 | 0.773 | 12.1  | 124   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.517 | 0.464 | 10.3  | 126   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.174 | 1.124 | 4.3   | 135   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.485 | 0.466 | 3.9   | 136   | 0.00     |
| 82   | Chrysene                   | 1.125 | 1.059 | 5.9   | 134   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.742 | 0.662 | 10.8  | 125   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.293 | 1.129 | 12.7  | 122   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.383 | 1.372 | 0.8   | 140   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 149   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.145 | 1.131 | 1.2   | 138   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.141 | 1.099 | 3.7  | 135   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.101 | 1.059 | 3.8  | 135   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.114 | 1.124 | -0.9 | 140   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.035 | 1.081 | -4.4 | 143   | 0.00     |

(#) = Out of Range

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