

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\  
 Data File : BM010980.D  
 Acq On : 26 Jul 2017 20:50  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 27 09:23:47 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 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  | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.531 | 0.490 | 7.7  | 97    | 0.00     |
| 3    | Pyridine                    | 1.451 | 1.454 | -0.2 | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.739 | 0.748 | -1.2 | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.183 | 1.164 | 1.6  | 102   | 0.00     |
| 6    | Aniline                     | 2.119 | 2.199 | -3.8 | 107   | 0.00     |
| 7 S  | Phenol-d6                   | 1.681 | 1.750 | -4.1 | 105   | 0.00     |
| 8    | 2-Chlorophenol              | 1.201 | 1.222 | -1.7 | 105   | 0.00     |
| 9    | Benzaldehyde                | 1.088 | 1.075 | 1.2  | 105   | 0.00     |
| 10 C | Phenol                      | 1.826 | 1.879 | -2.9 | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.423 | 1.428 | -0.4 | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.464 | 1.446 | 1.2  | 104   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.501 | 1.476 | 1.7  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.435 | 1.414 | 1.5  | 102   | 0.00     |
| 15   | Benzyl Alcohol              | 1.613 | 1.677 | -4.0 | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.280 | 1.300 | -1.6 | 105   | 0.00     |
| 17   | 2-Methylphenol              | 1.167 | 1.229 | -5.3 | 107   | 0.00     |
| 18   | Hexachloroethane            | 0.654 | 0.651 | 0.5  | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.428 | 1.513 | -6.0 | 108   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.622 | 1.720 | -6.0 | 109   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 105   | 0.00     |
| 22   | Acetophenone                | 0.600 | 0.586 | 2.3  | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.533 | 0.538 | -0.9 | 108   | 0.00     |
| 24   | Nitrobenzene                | 0.552 | 0.547 | 0.9  | 107   | 0.00     |
| 25   | Isophorone                  | 0.888 | 0.912 | -2.7 | 112   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.176 | 0.180 | -2.3 | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.309 | 0.313 | -1.3 | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.496 | 0.486 | 2.0  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.348 | 0.351 | -0.9 | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.430 | 0.424 | 1.4  | 108   | 0.00     |
| 31   | Naphthalene                 | 1.006 | 0.987 | 1.9  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.249 | 0.271 | -8.8 | 118   | 0.00     |
| 33   | 4-Chloroaniline             | 0.401 | 0.412 | -2.7 | 111   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.338 | 0.328 | 3.0  | 104   | 0.00     |
| 35   | Caprolactam                 | 0.099 | 0.107 | -8.1 | 123   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.449 | 0.466 | -3.8 | 113   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.739 | 0.758 | -2.6 | 111   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 118   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.859 | 0.813 | 5.4  | 113   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.501 | 0.459 | 8.4  | 107   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.321 | 0.339 | -5.6 | 129   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.520 | 0.514 | 1.2  | 114   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.536 | 0.525 | 2.1  | 115   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.595 | 1.514 | 5.1  | 113   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.729 | 1.653 | 4.4   | 115   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.274 | 1.230 | 3.5   | 116   | 0.00     |
| 47   | 2-Nitroaniline             | 0.451 | 0.479 | -6.2  | 124   | 0.00     |
| 48   | Acenaphthylene             | 1.902 | 1.871 | 1.6   | 118   | 0.00     |
| 49   | Dimethylphthalate          | 1.711 | 1.720 | -0.5  | 123   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.346 | 0.361 | -4.3  | 123   | 0.00     |
| 51 C | Acenaphthene               | 1.177 | 1.129 | 4.1   | 116   | 0.00     |
| 52   | 3-Nitroaniline             | 0.300 | 0.320 | -6.7  | 128   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.246 | 0.256 | -4.1  | 127   | 0.00     |
| 54   | Dibenzofuran               | 1.908 | 1.902 | 0.3   | 120   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.264 | 0.284 | -7.6  | 129   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.486 | 0.529 | -8.8  | 129   | 0.00     |
| 57   | Fluorene                   | 1.661 | 1.698 | -2.2  | 125   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.502 | 0.511 | -1.8  | 124   | 0.00     |
| 59   | Diethylphthalate           | 1.747 | 1.792 | -2.6  | 125   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 1.003 | 0.992 | 1.1   | 122   | 0.00     |
| 61   | 4-Nitroaniline             | 0.319 | 0.352 | -10.3 | 135   | 0.00     |
| 62   | Azobenzene                 | 1.870 | 1.895 | -1.3  | 123   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 129   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.135 | 0.137 | -1.5  | 129   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.572 | 0.557 | 2.6   | 128   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.257 | 0.244 | 5.1   | 125   | 0.00     |
| 67   | Hexachlorobenzene          | 0.291 | 0.278 | 4.5   | 124   | 0.00     |
| 68   | Atrazine                   | 0.229 | 0.238 | -3.9  | 132   | 0.00     |
| 69 C | Pentachlorophenol          | 0.184 | 0.188 | -2.2  | 129   | 0.00     |
| 70   | Phenanthrene               | 1.047 | 1.047 | 0.0   | 130   | 0.00     |
| 71   | Anthracene                 | 1.044 | 1.044 | 0.0   | 130   | 0.00     |
| 72   | Carbazole                  | 0.913 | 0.935 | -2.4  | 135   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.112 | 1.162 | -4.5  | 134   | 0.00     |
| 74 C | Fluoranthene               | 1.298 | 1.372 | -5.7  | 139   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 138   | 0.00     |
| 76   | Benzidine                  | 0.478 | 0.526 | -10.0 | 148   | 0.00     |
| 77   | Pyrene                     | 1.188 | 1.171 | 1.4   | 138   | 0.00     |
| 78 S | Terphenyl-d14              | 1.010 | 1.016 | -0.6  | 137   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.423 | 0.454 | -7.3  | 143   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.142 | 1.147 | -0.4  | 140   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.448 | 0.480 | -7.1  | 145   | 0.00     |
| 82   | Chrysene                   | 1.096 | 1.076 | 1.8   | 139   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.622 | 0.660 | -6.1  | 145   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.009 | 1.071 | -6.1  | 143   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.135 | 0.845 | 25.6# | 107   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 122   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.284 | 1.330 | -3.6  | 127   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.230 | 1.307 | -6.3 | 133   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.162 | 1.168 | -0.5 | 124   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.077 | 0.906 | 15.9 | 107   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.057 | 0.864 | 18.3 | 103   | 0.00     |

(#) = Out of Range

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