

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061516\  
 Data File : BF088057.D  
 Acq On : 16 Jun 2016 2:29  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 16 04:18:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 16 03:20:46 2016  
 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   | 106   | -0.05    |
| 2    | 1,4-Dioxane                 | 0.568 | 0.599 | -5.5  | 114   | -0.06    |
| 3    | Pyridine                    | 1.342 | 1.557 | -16.0 | 120   | -0.09    |
| 4    | n-Nitrosodimethylamine      | 0.568 | 0.569 | -0.2  | 106   | -0.07    |
| 5 S  | 2-Fluorophenol              | 1.170 | 1.163 | 0.6   | 106   | -0.05    |
| 6    | Aniline                     | 2.018 | 1.674 | 17.0  | 88    | -0.05    |
| 7 S  | Phenol-d6                   | 1.418 | 1.369 | 3.5   | 106   | -0.05    |
| 8    | 2-Chlorophenol              | 1.385 | 1.329 | 4.0   | 104   | -0.05    |
| 9    | Benzaldehyde                | 0.923 | 0.675 | 26.9# | 82    | -0.05    |
| 10 C | Phenol                      | 1.665 | 1.580 | 5.1   | 119   | -0.03    |
| 11   | bis(2-Chloroethyl)ether     | 1.243 | 1.282 | -3.1  | 117   | -0.05    |
| 12   | 1,3-Dichlorobenzene         | 1.486 | 1.390 | 6.5   | 99    | -0.05    |
| 13 C | 1,4-Dichlorobenzene         | 1.497 | 1.465 | 2.1   | 109   | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 1.361 | 1.210 | 11.1  | 92    | -0.06    |
| 15   | Benzyl Alcohol              | 1.109 | 0.917 | 17.3  | 84    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.680 | 1.524 | 9.3   | 95    | -0.05    |
| 17   | 2-Methylphenol              | 1.123 | 1.022 | 9.0   | 94    | -0.05    |
| 18   | Hexachloroethane            | 0.531 | 0.490 | 7.7   | 97    | -0.06    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.907 | 0.728 | 19.7  | 92    | -0.05    |
| 20   | 3+4-Methylphenols           | 1.310 | 1.205 | 8.0   | 105   | -0.03    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 103   | -0.05    |
| 22   | Acetophenone                | 0.447 | 0.405 | 9.4   | 95    | -0.05    |
| 23 S | Nitrobenzene-d5             | 0.343 | 0.337 | 1.7   | 99    | -0.03    |
| 24   | Nitrobenzene                | 0.332 | 0.302 | 9.0   | 101   | -0.05    |
| 25   | Isophorone                  | 0.634 | 0.590 | 6.9   | 93    | -0.05    |
| 26 C | 2-Nitrophenol               | 0.178 | 0.198 | -11.2 | 99    | -0.05    |
| 27   | 2,4-Dimethylphenol          | 0.327 | 0.313 | 4.3   | 95    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane  | 0.393 | 0.370 | 5.9   | 94    | -0.05    |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.252 | 7.7   | 93    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene      | 0.297 | 0.267 | 10.1  | 95    | -0.05    |
| 31   | Naphthalene                 | 0.990 | 0.873 | 11.8  | 95    | -0.05    |
| 32   | Benzoic acid                | 0.180 | 0.157 | 12.8  | 77    | -0.02    |
| 33   | 4-Chloroaniline             | 0.442 | 0.400 | 9.5   | 86    | -0.05    |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.144 | 8.3   | 91    | -0.05    |
| 35   | Caprolactam                 | 0.090 | 0.086 | 4.4   | 88    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol     | 0.292 | 0.284 | 2.7   | 101   | -0.03    |
| 37   | 2-Methylnaphthalene         | 0.652 | 0.574 | 12.0  | 85    | -0.05    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 84    | -0.06    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.583 | 0.569 | 2.4   | 94    | -0.05    |
| 40 P | Hexachlorocyclopentadiene   | 0.323 | 0.096 | 70.3# | 25#   | -0.05    |
| 41 S | 2,4,6-Tribromophenol        | 0.211 | 0.156 | 26.1# | 60    | -0.06    |
| 42 C | 2,4,6-Trichlorophenol       | 0.400 | 0.389 | 2.8   | 80    | -0.05    |
| 43   | 2,4,5-Trichlorophenol       | 0.416 | 0.425 | -2.2  | 88    | -0.05    |
| 44 S | 2-Fluorobiphenyl            | 1.502 | 1.328 | 11.6  | 89    | -0.05    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.613 | 1.522 | 5.6   | 85    | -0.06    |
| 46   | 2-Chloronaphthalene        | 1.294 | 1.208 | 6.6   | 84    | -0.06    |
| 47   | 2-Nitroaniline             | 0.382 | 0.405 | -6.0  | 82    | -0.05    |
| 48   | Acenaphthylene             | 2.059 | 1.783 | 13.4  | 74    | -0.06    |
| 49   | Dimethylphthalate          | 1.449 | 1.392 | 3.9   | 89    | -0.05    |
| 50   | 2,6-Dinitrotoluene         | 0.332 | 0.325 | 2.1   | 91    | -0.05    |
| 51 C | Acenaphthene               | 1.284 | 1.165 | 9.3   | 76    | -0.06    |
| 52   | 3-Nitroaniline             | 0.383 | 0.369 | 3.7   | 78    | -0.05    |
| 53 P | 2,4-Dinitrophenol          | 0.122 | 0.106 | 13.1  | 53    | -0.05    |
| 54   | Dibenzofuran               | 1.769 | 1.527 | 13.7  | 71    | -0.06    |
| 55 P | 4-Nitrophenol              | 0.297 | 0.281 | 5.4   | 70    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 0.426 | 0.399 | 6.3   | 85    | -0.05    |
| 57   | Fluorene                   | 1.378 | 1.042 | 24.4  | 71    | -0.06    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.327 | 0.324 | 0.9   | 78    | -0.05    |
| 59   | Diethylphthalate           | 1.466 | 1.446 | 1.4   | 86    | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 0.588 | 0.547 | 7.0   | 85    | -0.05    |
| 61   | 4-Nitroaniline             | 0.363 | 0.390 | -7.4  | 82    | -0.05    |
| 62   | Azobenzene                 | 1.450 | 1.420 | 2.1   | 81    | -0.05    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 75    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.108 | 0.100 | 7.4   | 53    | -0.05    |
| 65 c | n-Nitrosodiphenylamine     | 0.664 | 0.665 | -0.2  | 74    | -0.06    |
| 66   | 4-Bromophenyl-phenylether  | 0.215 | 0.203 | 5.6   | 69    | -0.06    |
| 67   | Hexachlorobenzene          | 0.223 | 0.216 | 3.1   | 80    | -0.05    |
| 68   | Atrazine                   | 0.201 | 0.216 | -7.5  | 74    | -0.05    |
| 69 C | Pentachlorophenol          | 0.118 | 0.109 | 7.6   | 62    | -0.05    |
| 70   | Phenanthrene               | 1.049 | 1.026 | 2.2   | 82    | -0.06    |
| 71   | Anthracene                 | 1.059 | 1.000 | 5.6   | 68    | -0.06    |
| 72   | Carbazole                  | 0.991 | 0.882 | 11.0  | 74    | -0.06    |
| 73   | Di-n-butylphthalate        | 1.254 | 1.213 | 3.3   | 72    | -0.05    |
| 74 C | Fluoranthene               | 1.108 | 0.903 | 18.5  | 60    | -0.06    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 70    | -0.06    |
| 76   | Benzidine                  | 0.554 | 0.558 | -0.7  | 70    | -0.06    |
| 77   | Pyrene                     | 1.484 | 1.225 | 17.5  | 58    | -0.06    |
| 78 S | Terphenyl-d14              | 0.879 | 0.703 | 20.0  | 58    | -0.06    |
| 79   | Butylbenzylphthalate       | 0.656 | 0.650 | 0.9   | 66    | -0.06    |
| 80   | Benzo(a)anthracene         | 1.140 | 1.063 | 6.8   | 71    | -0.06    |
| 81   | 3,3'-Dichlorobenzidine     | 0.306 | 0.332 | -8.5  | 71    | -0.06    |
| 82   | Chrysene                   | 1.072 | 1.080 | -0.7  | 75    | -0.06    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.799 | 0.725 | 9.3   | 65    | -0.06    |
| 84 c | Di-n-octyl phthalate       | 1.298 | 1.541 | -18.7 | 84    | -0.06    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.996 | 1.150 | -15.5 | 81    | -0.09    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 99    | -0.07    |
| 87   | Benzo(b)fluoranthene       | 1.394 | 1.099 | 21.2  | 74    | -0.06    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.052 | 1.079 | -2.6 | 125   | -0.05    |
| 89 C | Benzo(a)pyrene         | 1.128 | 1.078 | 4.4  | 93    | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 1.047 | 0.861 | 17.8 | 81    | -0.09    |
| 91   | Benzo(a,h,i)perylene   | 1.078 | 0.849 | 21.2 | 77    | -0.10    |

(#) = Out of Range

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