

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\  
 Data File : BE091898.D  
 Acq On : 8 Jun 2016 5:05  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Jun 08 07:58:06 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 17:14:38 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    | 101   | 0.00     |
| 2    | 1,4-Dioxane                | 0.781 | 0.837 | -7.2   | 103   | 0.00     |
| 3    | n-Nitrosodimethylamine     | 0.836 | 0.811 | 3.0    | 95    | 0.00     |
| 4 S  | 2-Fluorophenol             | 1.066 | 1.159 | -8.7   | 111   | 0.00     |
| 5 S  | Phenol-d6                  | 1.320 | 1.418 | -7.4   | 114   | 0.00     |
| 6    | bis(2-Chloroethyl)ether    | 1.431 | 1.396 | 2.4    | 99    | 0.00     |
| 7    | n-Nitroso-di-n-propylamine | 1.130 | 1.111 | 1.7    | 102   | 0.00     |
| 8 I  | Naphthalene-d8             | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 9 S  | Nitrobenzene-d5            | 0.336 | 0.327 | 2.7    | 96    | -0.02    |
| 10   | Nitrobenzene               | 0.304 | 0.312 | -2.6   | 108   | 0.00     |
| 11   | bis(2-Chloroethoxy)methane | 0.507 | 0.505 | 0.4    | 109   | 0.00     |
| 12   | Naphthalene                | 1.079 | 1.158 | -7.3   | 105   | 0.00     |
| 13   | Hexachlorobutadiene        | 0.161 | 0.172 | -6.8   | 103   | 0.00     |
| 14   | 2-Methylnaphthalene        | 0.696 | 0.744 | -6.9   | 108   | 0.00     |
| 15 I | Acenaphthene-d10           | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 16 S | 2,4,6-Tribromophenol       | 0.142 | 0.155 | -9.2   | 129   | -0.02    |
| 17 S | 2-Fluorobiphenyl           | 1.517 | 1.560 | -2.8   | 104   | 0.00     |
| 18   | Acenaphthylene             | 2.263 | 2.176 | 3.8    | 105   | 0.00     |
| 19   | 2,6-Dinitrotoluene         | 0.240 | 0.225 | 6.2    | 113   | -0.02    |
| 20   | Acenaphthene               | 1.383 | 1.435 | -3.8   | 109   | 0.00     |
| 21   | 2,4-Dinitrotoluene         | 0.285 | 0.228 | 20.0   | 107   | -0.02    |
| 22   | Fluorene                   | 1.691 | 1.731 | -2.4   | 110   | -0.02    |
| 23   | 4-Chlorophenyl-phenylether | 0.829 | 0.864 | -4.2   | 108   | 0.00     |
| 24 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 25   | 4-Bromophenyl-phenylether  | 0.180 | 0.190 | -5.6   | 108   | 0.00     |
| 26   | Hexachlorobenzene          | 0.184 | 0.199 | -8.2   | 106   | 0.00     |
| 27   | Pentachlorophenol          | 0.070 | 0.070 | 0.0    | 134   | 0.00     |
| 28   | Phenanthrene               | 1.158 | 1.283 | -10.8  | 109   | -0.01    |
| 29   | Anthracene                 | 1.032 | 1.104 | -7.0   | 113   | -0.01    |
| 30   | Fluoranthene               | 1.250 | 1.389 | -11.1  | 114   | -0.02    |
| 31 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 115   | -0.03    |
| 32   | Benzidine                  | 0.333 | 0.316 | 5.1    | 121   | 0.00     |
| 33   | Pyrene                     | 1.262 | 1.616 | -28.1# | 123   | 0.00     |
| 34 S | Terphenyl-d14              | 0.891 | 1.012 | -13.6  | 107   | 0.00     |
| 35   | Benzo(a)anthracene         | 7.222 | 8.052 | -11.5  | 108   | 0.00     |
| 36   | 3,3'-Dichlorobenzidine     | 0.349 | 0.378 | -8.3   | 137   | 0.00     |
| 37   | Chrysene                   | 5.098 | 2.822 | 44.6#  | 63    | -0.03    |
| 38   | Bis(2-ethylhexyl)phthalate | 0.716 | 0.538 | 24.9   | 104   | 0.00     |
| 39   | Indeno(1,2,3-cd)pyrene     | 1.524 | 1.679 | -10.2  | 104   | 0.00     |
| 40 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 41   | Benzo(b)fluoranthene       | 1.222 | 1.272 | -4.1   | 105   | -0.01    |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 42   | Benzo(k)fluoranthene   | 1.268 | 1.353 | -6.7 | 109   | 0.00     |
| 43 C | Benzo(a)pyrene         | 1.146 | 1.214 | -5.9 | 111   | 0.00     |
| 44   | Dibenzo(a,h)anthracene | 1.068 | 1.109 | -3.8 | 108   | -0.02    |
| 45   | Benzo(a,h,i)perylene   | 1.120 | 1.177 | -5.1 | 105   | -0.02    |

(#) = Out of Range

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