

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\  
 Data File : BE091884.D  
 Acq On : 7 Jun 2016 16:33  
 Operator : UM/SJ  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE060716

Quant Time: Jun 07 19:38:48 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                   | Amount | Calc. | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4     | 5.000  | 5.000 | 0.0   | 100   | 0.00     |
| 2    | 1,4-Dioxane                | 0.400  | 0.453 | -13.2 | 103   | -0.02    |
| 3    | n-Nitrosodimethylamine     | 0.400  | 0.417 | -4.2  | 100   | 0.00     |
| 4 S  | 2-Fluorophenol             | 0.400  | 0.410 | -2.5  | 103   | 0.00     |
| 5 S  | Phenol-d6                  | 0.400  | 0.413 | -3.2  | 107   | -0.02    |
| 6    | bis(2-Chloroethyl)ether    | 0.400  | 0.399 | 0.3   | 100   | 0.00     |
| 7    | n-Nitroso-di-n-propylamine | 0.400  | 0.383 | 4.3   | 98    | 0.00     |
| 8 I  | Naphthalene-d8             | 5.000  | 5.000 | 0.0   | 100   | 0.00     |
| 9 S  | Nitrobenzene-d5            | 0.400  | 0.377 | 5.8   | 93    | -0.02    |
| 10   | Nitrobenzene               | 0.400  | 0.405 | -1.3  | 103   | 0.00     |
| 11   | bis(2-Chloroethoxy)methane | 0.400  | 0.434 | -8.5  | 115   | 0.00     |
| 12   | Naphthalene                | 0.400  | 0.427 | -6.7  | 101   | 0.00     |
| 13   | Hexachlorobutadiene        | 0.400  | 0.431 | -7.7  | 101   | 0.00     |
| 14   | 2-Methylnaphthalene        | 0.400  | 0.419 | -4.7  | 102   | 0.00     |
| 15 I | Acenaphthene-d10           | 5.000  | 5.000 | 0.0   | 103   | 0.00     |
| 16 S | 2,4,6-Tribromophenol       | 0.400  | 0.395 | 1.3   | 109   | -0.02    |
| 17 S | 2-Fluorobiphenyl           | 0.400  | 0.424 | -6.0  | 100   | 0.00     |
| 18   | Acenaphthylene             | 0.400  | 0.388 | 3.0   | 98    | 0.00     |
| 19   | 2,6-Dinitrotoluene         | 0.400  | 0.393 | 1.8   | 103   | -0.02    |
| 20   | Acenaphthene               | 0.400  | 0.424 | -6.0  | 104   | 0.00     |
| 21   | 2,4-Dinitrotoluene         | 0.400  | 0.424 | -6.0  | 105   | -0.02    |
| 22   | Fluorene                   | 0.400  | 0.410 | -2.5  | 102   | -0.02    |
| 23   | 4-Chlorophenyl-phenylether | 0.400  | 0.426 | -6.5  | 102   | 0.00     |
| 24 I | Phenanthrene-d10           | 5.000  | 5.000 | 0.0   | 104   | 0.00     |
| 25   | 4-Bromophenyl-phenylether  | 0.400  | 0.379 | 5.3   | 105   | 0.00     |
| 26   | Hexachlorobenzene          | 0.400  | 0.383 | 4.3   | 102   | 0.00     |
| 27   | Pentachlorophenol          | 0.400  | 0.403 | -0.8  | 114   | 0.00     |
| 28   | Phenanthrene               | 0.400  | 0.384 | 4.0   | 103   | 0.00     |
| 29   | Anthracene                 | 0.400  | 0.370 | 7.5   | 106   | 0.00     |
| 30   | Fluoranthene               | 0.400  | 0.364 | 9.0   | 101   | 0.00     |
| 31 I | Chrysene-d12               | 5.000  | 5.000 | 0.0   | 103   | 0.00     |
| 32   | Benzidine                  | 0.400  | 0.241 | 39.8# | 49    | 0.00     |
| 33   | Pyrene                     | 0.400  | 0.484 | -21.0 | 104   | 0.00     |
| 34 S | Terphenyl-d14              | 0.400  | 0.433 | -8.2  | 103   | 0.00     |
| 35   | Benzo(a)anthracene         | 0.400  | 0.380 | 5.0   | 102   | 0.00     |
| 36   | 3,3'-Dichlorobenzidine     | 0.400  | 0.390 | 2.5   | 97    | 0.00     |
| 37   | Chrysene                   | 0.400  | 0.414 | -3.5  | 105   | 0.00     |
| 38   | Bis(2-ethylhexyl)phthalate | 0.400  | 0.400 | 0.0   | 113   | 0.00     |
| 39   | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.426 | -6.5  | 102   | 0.00     |
| 40 I | Perylene-d12               | 5.000  | 5.000 | 0.0   | 95    | 0.00     |
| 41   | Benzo(b)fluoranthene       | 0.400  | 0.416 | -4.0  | 98    | 0.00     |

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|      | Compound               | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|------------------------|--------|-------|------|-------|----------|
| 42   | Benzo(k)fluoranthene   | 0.400  | 0.402 | -0.5 | 97    | 0.00     |
| 43 C | Benzo(a)pyrene         | 0.400  | 0.402 | -0.5 | 99    | 0.00     |
| 44   | Dibenzo(a,h)anthracene | 0.400  | 0.419 | -4.7 | 102   | -0.02    |
| 45   | Benzo(a,h,i)perylene   | 0.400  | 0.421 | -5.2 | 99    | -0.02    |

(#) = Out of Range

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