

Data Path : Z:\HPCHEM1\BNA E\Data\Be051816\  
 Data File : BE091791.D  
 Acq On : 18 May 2016 13:49  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: May 18 18:03:23 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 26 16:09:46 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                   | Amount | Calc. | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4     | 5.000  | 5.000 | 0.0   | 89    | -0.02    |
| 2    | 1,4-Dioxane                | 0.400  | 0.302 | 24.5  | 67    | -0.02    |
| 3    | n-Nitrosodimethylamine     | 0.400  | 0.329 | 17.8  | 74    | 0.00     |
| 4 S  | 2-Fluorophenol             | 0.400  | 0.356 | 11.0  | 82    | -0.02    |
| 5 S  | Phenol-d6                  | 0.400  | 0.352 | 12.0  | 83    | 0.00     |
| 6    | bis(2-Chloroethyl)ether    | 0.400  | 0.379 | 5.3   | 83    | 0.00     |
| 7 I  | Naphthalene-d8             | 5.000  | 5.000 | 0.0   | 91    | -0.02    |
| 8 S  | Nitrobenzene-d5            | 0.400  | 0.350 | 12.5  | 85    | -0.01    |
| 9    | Nitrobenzene               | 0.400  | 0.336 | 16.0  | 83    | -0.01    |
| 10   | Naphthalene                | 0.400  | 0.382 | 4.5   | 86    | 0.00     |
| 11   | Hexachlorobutadiene        | 0.400  | 0.383 | 4.3   | 89    | -0.02    |
| 12   | 2-Methylnaphthalene        | 0.400  | 0.379 | 5.3   | 86    | -0.01    |
| 13 I | Acenaphthene-d10           | 5.000  | 5.000 | 0.0   | 94    | -0.01    |
| 14 S | 2,4,6-Tribromophenol       | 0.400  | 0.489 | -22.2 | 102   | -0.01    |
| 15 S | 2-Fluorobiphenyl           | 0.400  | 0.373 | 6.8   | 88    | -0.01    |
| 16   | Acenaphthylene             | 0.400  | 0.394 | 1.5   | 105   | 0.00     |
| 17   | Acenaphthene               | 0.400  | 0.358 | 10.5  | 84    | -0.01    |
| 18   | Fluorene                   | 0.400  | 0.389 | 2.8   | 91    | -0.01    |
| 19 I | Phenanthrene-d10           | 5.000  | 5.000 | 0.0   | 98    | -0.01    |
| 20   | 4-Bromophenyl-phenylether  | 0.400  | 0.383 | 4.3   | 93    | 0.00     |
| 21   | Hexachlorobenzene          | 0.400  | 0.389 | 2.8   | 95    | 0.00     |
| 22   | Pentachlorophenol          | 0.400  | 0.388 | 3.0   | 97    | 0.00     |
| 23   | Phenanthrene               | 0.400  | 0.397 | 0.8   | 95    | -0.01    |
| 24   | Anthracene                 | 0.400  | 0.382 | 4.5   | 95    | -0.01    |
| 25   | Fluoranthene               | 0.400  | 0.429 | -7.2  | 104   | 0.00     |
| 26 I | Chrysene-d12               | 5.000  | 5.000 | 0.0   | 121   | -0.02    |
| 27   | Benzydine                  | 0.400  | 0.354 | 11.5  | 102   | 0.00     |
| 28   | Pvrene                     | 0.400  | 0.316 | 21.0  | 99    | 0.00     |
| 29 S | Terphenyl-d14              | 0.400  | 0.300 | 25.0# | 93    | -0.02    |
| 30   | Benzo(a)anthracene         | 0.400  | 0.332 | 17.0  | 103   | -0.02    |
| 31   | 3,3'-Dichlorobenzidine     | 0.400  | 0.374 | 6.5   | 131   | -0.02    |
| 32   | Chrysene                   | 0.400  | 0.300 | 25.0# | 86    | 0.00     |
| 33   | Bis(2-ethylhexyl)phthalate | 0.400  | 0.451 | -12.7 | 177   | -0.02    |
| 34   | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.397 | 0.8   | 118   | -0.03    |
| 35 I | Perylene-d12               | 5.000  | 5.000 | 0.0   | 123   | -0.02    |
| 36   | Benzo(b)fluoranthene       | 0.400  | 0.349 | 12.8  | 111   | -0.02    |
| 37   | Benzo(k)fluoranthene       | 0.400  | 0.354 | 11.5  | 114   | -0.02    |
| 38 C | Benzo(a)pyrene             | 0.400  | 0.358 | 10.5  | 117   | -0.02    |
| 39   | Dibenzo(a,h)anthracene     | 0.400  | 0.367 | 8.3   | 116   | -0.05    |
| 40   | Benzo(a,h,i)perylene       | 0.400  | 0.372 | 7.0   | 119   | -0.05    |

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| Compound                     | Amount | Calc. | %Dev Area | % Dev(min) |
|------------------------------|--------|-------|-----------|------------|
| -----                        |        |       |           |            |
| ( # ) = Out of Range         |        |       |           |            |
| SPCC's out = 0 CCC's out = 0 |        |       |           |            |