

Data Path : Z:\HPCHEM1\BNA E\Data\BE042916\  
 Data File : BE091732.D  
 Acq On : 29 Apr 2016 12:57  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Apr 29 23:12:25 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                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 2    | 1,4-Dioxane                | 0.752 | 0.662 | 12.0  | 84    | 0.00     |
| 3    | n-Nitrosodimethylamine     | 0.908 | 0.789 | 13.1  | 86    | 0.02     |
| 4 S  | 2-Fluorophenol             | 1.228 | 1.100 | 10.4  | 89    | 0.00     |
| 5 S  | Phenol-d6                  | 1.629 | 1.387 | 14.9  | 87    | 0.02     |
| 6    | bis(2-Chloroethyl)ether    | 1.433 | 1.382 | 3.6   | 92    | 0.00     |
| 7 I  | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 8 S  | Nitrobenzene-d5            | 0.323 | 0.270 | 16.4  | 88    | 0.01     |
| 9    | Nitrobenzene               | 0.338 | 0.276 | 18.3  | 87    | 0.00     |
| 10   | Naphthalene                | 1.010 | 1.011 | -0.1  | 97    | 0.00     |
| 11   | Hexachlorobutadiene        | 0.149 | 0.151 | -1.3  | 101   | 0.00     |
| 12   | 2-Methylnaphthalene        | 0.649 | 0.620 | 4.5   | 94    | 0.00     |
| 13 I | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 95    | -0.01    |
| 14 S | 2,4,6-Tribromophenol       | 0.157 | 0.116 | 26.1# | 77    | 0.00     |
| 15 S | 2-Fluorobiphenyl           | 1.414 | 1.420 | -0.4  | 96    | 0.00     |
| 16   | Acenaphthylene             | 1.923 | 1.865 | 3.0   | 104   | 0.00     |
| 17   | Acenaphthene               | 1.247 | 1.214 | 2.6   | 92    | 0.00     |
| 18   | Fluorene                   | 1.550 | 1.504 | 3.0   | 92    | 0.00     |
| 19 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 20   | 4-Bromophenyl-phenylether  | 0.180 | 0.171 | 5.0   | 88    | 0.00     |
| 21   | Hexachlorobenzene          | 0.180 | 0.182 | -1.1  | 95    | 0.00     |
| 22   | Pentachlorophenol          | 0.085 | 0.058 | 31.8# | 76    | 0.00     |
| 23   | Phenanthrene               | 1.136 | 1.169 | -2.9  | 94    | 0.00     |
| 24   | Anthracene                 | 1.025 | 0.972 | 5.2   | 90    | 0.00     |
| 25   | Fluoranthene               | 1.188 | 1.156 | 2.7   | 90    | 0.00     |
| 26 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 27   | Benzydine                  | 0.286 | 0.276 | 3.5   | 102   | 0.00     |
| 28   | Pvrene                     | 1.130 | 1.148 | -1.6  | 90    | 0.00     |
| 29 S | Terphenyl-d14              | 0.780 | 0.780 | 0.0   | 87    | 0.00     |
| 30   | Benzo(a)anthracene         | 1.221 | 1.190 | 2.5   | 85    | 0.00     |
| 31   | 3,3'-Dichlorobenzidine     | 0.623 | 0.562 | 9.8   | 89    | -0.02    |
| 32   | Chrysene                   | 1.269 | 1.475 | -16.2 | 94    | 0.00     |
| 33   | Bis(2-ethylhexyl)phthalate | 0.370 | 0.373 | -0.8  | 112   | -0.02    |
| 34   | Indeno(1,2,3-cd)pyrene     | 1.130 | 1.278 | -13.1 | 95    | -0.01    |
| 35 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 36   | Benzo(b)fluoranthene       | 1.172 | 1.233 | -5.2  | 103   | 0.00     |
| 37   | Benzo(k)fluoranthene       | 1.191 | 1.046 | 12.2  | 87    | 0.00     |
| 38 C | Benzo(a)pyrene             | 1.103 | 1.059 | 4.0   | 96    | 0.00     |
| 39   | Dibenzo(a,h)anthracene     | 1.045 | 1.004 | 3.9   | 94    | -0.02    |
| 40   | Benzo(a,h,i)perylene       | 1.062 | 1.003 | 5.6   | 92    | -0.02    |

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