

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\  
 Data File : BE091679.D  
 Acq On : 19 Apr 2016 00:46  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Apr 19 05:47:16 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 18 17:20:40 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    | 91    | 0.00     |
| 2    | 1,4-Dioxane                | 0.645 | 0.667 | -3.4   | 94    | 0.00     |
| 3    | n-Nitrosodimethylamine     | 0.717 | 0.753 | -5.0   | 103   | -0.02    |
| 4 S  | 2-Fluorophenol             | 1.088 | 1.180 | -8.5   | 104   | 0.00     |
| 5 S  | Phenol-d6                  | 1.467 | 1.583 | -7.9   | 107   | 0.00     |
| 6    | bis(2-Chloroethyl)ether    | 1.348 | 1.369 | -1.6   | 97    | 0.00     |
| 7 I  | Naphthalene-d8             | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 8 S  | Nitrobenzene-d5            | 0.256 | 0.277 | -8.2   | 119   | 0.00     |
| 9    | Nitrobenzene               | 0.258 | 0.283 | -9.7   | 118   | 0.00     |
| 10   | Naphthalene                | 1.018 | 1.029 | -1.1   | 95    | 0.00     |
| 11   | Hexachlorobutadiene        | 0.148 | 0.154 | -4.1   | 100   | 0.00     |
| 12   | 2-Methylnaphthalene        | 0.650 | 0.667 | -2.6   | 100   | 0.00     |
| 13 I | Acenaphthene-d10           | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 14 S | 2,4,6-Tribromophenol       | 0.106 | 0.129 | -21.7  | 143   | -0.01    |
| 15 S | 2-Fluorobiphenyl           | 1.393 | 1.408 | -1.1   | 99    | 0.00     |
| 16   | Acenaphthylene             | 1.840 | 1.984 | -7.8   | 120   | 0.00     |
| 17   | Acenaphthene               | 1.230 | 1.294 | -5.2   | 99    | 0.00     |
| 18   | Fluorene                   | 1.507 | 1.521 | -0.9   | 100   | 0.00     |
| 19 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 88    | 0.00     |
| 20   | 4-Bromophenyl-phenylether  | 0.173 | 0.175 | -1.2   | 103   | 0.00     |
| 21   | Hexachlorobenzene          | 0.184 | 0.185 | -0.5   | 98    | 0.00     |
| 22   | Pentachlorophenol          | 0.061 | 0.058 | 4.9    | 141   | -0.02    |
| 23   | Phenanthrene               | 1.136 | 1.160 | -2.1   | 98    | 0.00     |
| 24   | Anthracene                 | 1.009 | 1.024 | -1.5   | 104   | -0.01    |
| 25   | Fluoranthene               | 1.129 | 1.209 | -7.1   | 109   | -0.02    |
| 26 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 27   | Benzydine                  | 0.363 | 0.277 | 23.7   | 135   | -0.02    |
| 28   | Pvrene                     | 0.999 | 1.289 | -29.0# | 126   | 0.00     |
| 29 S | Terphenyl-d14              | 0.681 | 0.830 | -21.9  | 118   | 0.00     |
| 30   | Benzo(a)anthracene         | 1.160 | 1.263 | -8.9   | 106   | 0.00     |
| 31   | 3,3'-Dichlorobenzidine     | 0.454 | 0.626 | -37.9# | 165#  | -0.02    |
| 32   | Chrysene                   | 1.176 | 1.425 | -21.2  | 110   | 0.00     |
| 33   | Bis(2-ethylhexyl)phthalate | 0.212 | 0.415 | -95.8# | 220#  | -0.02    |
| 34   | Indeno(1,2,3-cd)pyrene     | 1.070 | 1.252 | -17.0  | 112   | -0.01    |
| 35 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 102   | -0.01    |
| 36   | Benzo(b)fluoranthene       | 1.100 | 1.216 | -10.5  | 120   | 0.00     |
| 37   | Benzo(k)fluoranthene       | 1.168 | 1.170 | -0.2   | 107   | -0.01    |
| 38 C | Benzo(a)pyrene             | 1.026 | 1.133 | -10.4  | 122   | -0.01    |
| 39   | Dibenzo(a,h)anthracene     | 1.003 | 1.038 | -3.5   | 112   | -0.01    |
| 40   | Benzo(a,h,i)perylene       | 1.039 | 1.063 | -2.3   | 109   | -0.01    |

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