

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\  
 Data File : BE093007.D  
 Acq On : 11 May 2017 22:28  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: May 12 02:20:47 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 11 14:48:08 2017  
 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   | 111   | -0.02    |
| 2       | 1,4-Dioxane                | 0.802 | 0.688 | 14.2  | 113   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.688 | 0.634 | 7.8   | 118   | 0.00     |
| 4 S     | 2-Fluorophenol             | 1.097 | 1.056 | 3.7   | 125   | 0.00     |
| 5 S     | Phenol-d6                  | 1.376 | 1.473 | -7.0  | 138   | -0.02    |
| 6       | bis(2-Chloroethyl)ether    | 1.347 | 1.201 | 10.8  | 114   | -0.02    |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 118   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.313 | 0.313 | 0.0   | 135   | -0.02    |
| 9       | Naphthalene                | 1.065 | 0.952 | 10.6  | 117   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.146 | 0.126 | 13.7  | 114   | -0.02    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.567 | 0.517 | 8.8   | 122   | -0.02    |
| 12      | 2-Methylnaphthalene        | 0.624 | 0.571 | 8.5   | 123   | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 118   | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.109 | 0.107 | 1.8   | 143   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.585 | 1.492 | 5.9   | 127   | 0.00     |
| 16      | Acenaphthylene             | 6.788 | 6.243 | 8.0   | 131   | 0.00     |
| 17      | Acenaphthene               | 1.236 | 1.108 | 10.4  | 121   | -0.02    |
| 18      | Fluorene                   | 1.540 | 1.405 | 8.8   | 123   | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 134   | 0.00     |
| 20      | 4-Bromophenyl-phenylether  | 0.128 | 0.106 | 17.2  | 125   | 0.00     |
| 21      | Hexachlorobenzene          | 0.191 | 0.149 | 22.0  | 112   | 0.00     |
| 22      | Pentachlorophenol          | 0.048 | 0.049 | -2.1  | 156#  | 0.00     |
| 23      | Phenanthrene               | 0.959 | 0.733 | 23.6  | 120   | 0.01     |
| 24      | Anthracene                 | 0.828 | 0.701 | 15.3  | 123   | 0.00     |
| 25 SURR | Fluoranthene-d10           | 1.059 | 0.897 | 15.3  | 127   | -0.01    |
| 26      | Fluoranthene               | 5.138 | 4.173 | 18.8  | 121   | -0.01    |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 124   | 0.00     |
| 28      | Pvrene                     | 5.018 | 4.587 | 8.6   | 124   | 0.00     |
| 29 S    | Terphenyl-d14              | 0.710 | 0.664 | 6.5   | 138   | 0.00     |
| 30      | Benzo(a)anthracene         | 0.983 | 0.947 | 3.7   | 147   | -0.02    |
| 31      | Chrysene                   | 1.228 | 1.055 | 14.1  | 118   | -0.02    |
| 32      | Bis(2-ethylhexyl)phthalate | 0.434 | 0.528 | -21.7 | 210#  | 0.00     |
| 33      | Indeno(1,2,3-cd)pyrene     | 3.923 | 3.902 | 0.5   | 139   | 0.00     |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 131   | 0.00     |
| 35      | Benzo(b)fluoranthene       | 1.290 | 1.070 | 17.1  | 117   | 0.00     |
| 36      | Benzo(k)fluoranthene       | 1.289 | 1.137 | 11.8  | 143   | 0.00     |
| 37 C    | Benzo(a)pyrene             | 1.122 | 1.002 | 10.7  | 138   | 0.00     |
| 38      | Dibenzo(a,h)anthracene     | 1.016 | 0.944 | 7.1   | 143   | 0.00     |
| 39      | Benzo(a,h,i)perylene       | 4.629 | 4.167 | 10.0  | 130   | 0.00     |

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