

Data Path : Z:\HPCHEM1\BNA E\Data\BE040518\  
 Data File : BE095949.D  
 Acq On : 5 Apr 2018 8:53  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Apr 06 04:41:59 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 12:41:11 2018  
 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   | 127   | -0.02    |
| 2       | 1,4-Dioxane                | 0.655 | 0.639 | 2.4   | 130   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.961 | 0.914 | 4.9   | 117   | 0.00     |
| 4 S     | 2-Fluorophenol             | 1.319 | 1.289 | 2.3   | 119   | -0.02    |
| 5 S     | Phenol-d6                  | 1.813 | 1.949 | -7.5  | 131   | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.564 | 1.676 | -7.2  | 131   | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 142   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.473 | 0.461 | 2.5   | 138   | 0.00     |
| 9       | Naphthalene                | 4.569 | 4.759 | -4.2  | 143   | -0.01    |
| 10      | Hexachlorobutadiene        | 0.314 | 0.286 | 8.9   | 125   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.668 | 0.692 | -3.6  | 143   | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.780 | 0.833 | -6.8  | 148   | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 142   | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.231 | 0.194 | 16.0  | 123   | -0.01    |
| 15 S    | 2-Fluorobiphenyl           | 1.686 | 1.719 | -2.0  | 141   | -0.01    |
| 16      | Acenaphthylene             | 2.288 | 2.330 | -1.8  | 144   | -0.01    |
| 17      | Acenaphthene               | 1.395 | 1.435 | -2.9  | 147   | 0.00     |
| 18      | Fluorene                   | 1.835 | 1.805 | 1.6   | 138   | -0.01    |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 125   | -0.01    |
| 20      | 4-Bromophenyl-phenylether  | 0.240 | 0.258 | -7.5  | 132   | 0.00     |
| 21      | Hexachlorobenzene          | 0.240 | 0.252 | -5.0  | 129   | 0.00     |
| 22      | Pentachlorophenol          | 0.069 | 0.082 | -18.8 | 179#  | -0.01    |
| 23      | Phenanthrene               | 1.197 | 1.259 | -5.2  | 128   | 0.00     |
| 24      | Anthracene                 | 1.197 | 1.206 | -0.8  | 125   | -0.01    |
| 25 SURR | Fluoranthene-d10           | 5.940 | 5.411 | 8.9   | 112   | -0.01    |
| 26      | Fluoranthene               | 1.663 | 1.546 | 7.0   | 115   | -0.01    |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 108   | -0.01    |
| 28      | Pvrene                     | 1.629 | 1.817 | -11.5 | 109   | -0.01    |
| 29 S    | Terphenyl-d14              | 0.850 | 0.855 | -0.6  | 108   | 0.00     |
| 30      | Benzo(a)anthracene         | 1.387 | 1.428 | -3.0  | 109   | -0.01    |
| 31      | Chrysene                   | 1.266 | 1.341 | -5.9  | 113   | -0.01    |
| 32      | Bis(2-ethylhexyl)phthalate | 4.242 | 3.979 | 6.2   | 108   | -0.01    |
| 33      | Indeno(1,2,3-cd)pyrene     | 1.364 | 1.465 | -7.4  | 114   | -0.02    |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 112   | -0.02    |
| 35      | Benzo(b)fluoranthene       | 1.323 | 1.376 | -4.0  | 115   | -0.01    |
| 36      | Benzo(k)fluoranthene       | 1.324 | 1.381 | -4.3  | 116   | -0.02    |
| 37 C    | Benzo(a)pyrene             | 1.240 | 1.293 | -4.3  | 115   | -0.02    |
| 38      | Dibenzo(a,h)anthracene     | 1.178 | 1.227 | -4.2  | 113   | -0.02    |
| 39      | Benzo(a,h,i)perylene       | 1.184 | 1.233 | -4.1  | 115   | -0.02    |

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