

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE110217\  
 Data File : BE094694.D  
 Acq On : 2 Nov 2017 14:10  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Nov 02 18:01:54 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 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                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|---------|----------------------------|-------|-------|--------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0    | 114   | 0.00     |
| 2       | 1,4-Dioxane                | 0.677 | 0.600 | 11.4   | 87    | -0.01    |
| 3       | n-Nitrosodimethylamine     | 0.648 | 0.538 | 17.0   | 94    | 0.01     |
| 4 S     | 2-Fluorophenol             | 1.370 | 1.067 | 22.1   | 89    | 0.04     |
| 5 S     | Phenol-d6                  | 2.069 | 1.923 | 7.1    | 109   | 0.04     |
| 6       | bis(2-Chloroethyl)ether    | 1.600 | 1.369 | 14.4   | 98    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0    | 125   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.319 | 0.267 | 16.3   | 108   | 0.02     |
| 9       | Naphthalene                | 4.527 | 3.897 | 13.9   | 104   | 0.02     |
| 10      | Hexachlorobutadiene        | 0.164 | 0.151 | 7.9    | 113   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.642 | 0.546 | 15.0   | 103   | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.768 | 0.640 | 16.7   | 103   | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.110 | 0.088 | 20.0   | 89    | 0.03     |
| 15 S    | 2-Fluorobiphenyl           | 1.410 | 1.325 | 6.0    | 99    | 0.00     |
| 16      | Acenaphthylene             | 2.112 | 1.837 | 13.0   | 94    | 0.00     |
| 17      | Acenaphthene               | 1.356 | 1.234 | 9.0    | 96    | 0.00     |
| 18      | Fluorene                   | 1.738 | 1.522 | 12.4   | 94    | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 101   | 0.03     |
| 20      | 4-Bromophenyl-phenylether  | 0.218 | 0.205 | 6.0    | 97    | 0.00     |
| 21      | Hexachlorobenzene          | 0.191 | 0.260 | -36.1# | 120   | 0.00     |
| 22      | Pentachlorophenol          | 0.024 | 0.021 | 12.5   | 89    | 0.07     |
| 23      | Phenanthrene               | 1.141 | 1.115 | 2.3    | 99    | 0.00     |
| 24      | Anthracene                 | 1.176 | 1.109 | 5.7    | 94    | 0.00     |
| 25 SURR | Fluoranthene-d10           | 4.676 | 5.094 | -8.9   | 96    | 0.00     |
| 26      | Fluoranthene               | 1.420 | 1.528 | -7.6   | 95    | 0.00     |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 28      | Pyrene                     | 1.399 | 1.274 | 8.9    | 97    | 0.00     |
| 29 S    | Terphenyl-d14              | 0.754 | 0.664 | 11.9   | 94    | 0.00     |
| 30      | Benzo(a)anthracene         | 1.302 | 1.152 | 11.5   | 92    | 0.01     |
| 31      | Chrysene                   | 1.322 | 1.216 | 8.0    | 99    | 0.01     |
| 32      | Bis(2-ethylhexyl)phthalate | 3.193 | 2.748 | 13.9   | 98    | -0.01    |
| 33      | Indeno(1,2,3-cd)pyrene     | 1.222 | 0.846 | 30.8#  | 74    | 0.04     |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0    | 100   | 0.01     |
| 35      | Benzo(b)fluoranthene       | 1.294 | 1.134 | 12.4   | 90    | 0.00     |
| 36      | Benzo(k)fluoranthene       | 1.379 | 1.384 | -0.4   | 101   | 0.01     |
| 37 C    | Benzo(a)pyrene             | 1.255 | 1.167 | 7.0    | 93    | 0.01     |
| 38      | Dibenzo(a,h)anthracene     | 1.127 | 0.861 | 23.6   | 78    | 0.02     |
| 39      | Benzo(g,h,i)perylene       | 1.055 | 0.703 | 33.4#  | 67    | 0.05     |

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