

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\  
 Data File : BE099713.D  
 Acq On : 22 May 2019 10:06  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: May 22 11:54:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 20 19:29:40 2019  
 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   | 0.00     |
| 2       | 1,4-Dioxane                | 0.592 | 0.482 | 18.6  | 95    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.327 | 0.265 | 19.0  | 103   | 0.00     |
| 4 S     | 2-Fluorophenol             | 1.011 | 0.951 | 5.9   | 120   | 0.00     |
| 5 S     | Phenol-d6                  | 1.338 | 1.296 | 3.1   | 130   | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.190 | 1.168 | 1.8   | 125   | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 123   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.346 | 0.308 | 11.0  | 128   | 0.00     |
| 9       | Naphthalene                | 4.278 | 3.873 | 9.5   | 125   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.315 | 0.275 | 12.7  | 121   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.690 | 0.619 | 10.3  | 124   | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.697 | 0.634 | 9.0   | 128   | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 124   | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.237 | 0.210 | 11.4  | 141   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.518 | 1.340 | 11.7  | 123   | 0.00     |
| 16      | Acenaphthylene             | 1.864 | 1.661 | 10.9  | 128   | -0.01    |
| 17      | Acenaphthene               | 1.046 | 0.948 | 9.4   | 127   | 0.00     |
| 18      | Fluorene                   | 1.541 | 1.426 | 7.5   | 131   | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 119   | 0.00     |
| 20      | 4-Bromophenyl-phenylether  | 0.231 | 0.207 | 10.4  | 123   | 0.00     |
| 21      | Hexachlorobenzene          | 0.236 | 0.223 | 5.5   | 127   | 0.00     |
| 22      | Pentachlorophenol          | 0.068 | 0.043 | 36.8# | 130   | 0.00     |
| 23      | Phenanthrene               | 0.977 | 0.901 | 7.8   | 124   | 0.00     |
| 24      | Anthracene                 | 0.886 | 0.796 | 10.2  | 128   | 0.00     |
| 25 SURR | Fluoranthene-d10           | 5.466 | 4.531 | 17.1  | 113   | 0.00     |
| 26      | Fluoranthene               | 1.545 | 1.323 | 14.4  | 116   | 0.00     |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 28      | Pvrene                     | 1.005 | 1.006 | -0.1  | 117   | 0.00     |
| 29 S    | Terphenyl-d14              | 0.714 | 0.679 | 4.9   | 113   | 0.00     |
| 30      | Benzo(a)anthracene         | 1.137 | 1.151 | -1.2  | 122   | 0.00     |
| 31      | Chrysene                   | 1.215 | 1.196 | 1.6   | 114   | 0.00     |
| 32      | Bis(2-ethylhexyl)phthalate | 1.310 | 1.467 | -12.0 | 143   | 0.00     |
| 33      | Indeno(1,2,3-cd)pyrene     | 1.467 | 1.461 | 0.4   | 122   | 0.00     |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 35      | Benzo(b)fluoranthene       | 1.096 | 1.020 | 6.9   | 119   | 0.00     |
| 36      | Benzo(k)fluoranthene       | 1.143 | 1.023 | 10.5  | 115   | 0.00     |
| 37 C    | Benzo(a)pyrene             | 1.055 | 0.964 | 8.6   | 119   | 0.00     |
| 38      | Dibenzo(a,h)anthracene     | 1.108 | 1.012 | 8.7   | 122   | -0.01    |
| 39      | Benzo(a,h,i)perylene       | 1.118 | 0.999 | 10.6  | 116   | 0.00     |

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