

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE121418\  
 Data File : BE098454.D  
 Acq On : 15 Dec 2018 3:41  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Dec 15 04:15:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 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   | 103   | -0.01    |
| 2       | 1,4-Dioxane                | 0.692 | 0.576 | 16.8  | 87    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.623 | 0.452 | 27.4# | 81    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.936 | 1.005 | -7.4  | 114   | 0.00     |
| 5 S     | Phenol-d6                  | 1.326 | 1.424 | -7.4  | 110   | -0.01    |
| 6       | bis(2-Chloroethyl)ether    | 1.260 | 1.048 | 16.8  | 88    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 99    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.364 | 0.342 | 6.0   | 101   | 0.00     |
| 9       | Naphthalene                | 4.025 | 3.971 | 1.3   | 100   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.256 | 0.261 | -2.0  | 103   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.650 | 0.617 | 5.1   | 95    | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.654 | 0.611 | 6.6   | 94    | -0.01    |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 97    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.147 | 0.169 | -15.0 | 118   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.687 | 1.576 | 6.6   | 99    | 0.00     |
| 16      | Acenaphthylene             | 1.874 | 1.830 | 2.3   | 98    | 0.00     |
| 17      | Acenaphthene               | 1.126 | 1.065 | 5.4   | 92    | 0.00     |
| 18      | Fluorene                   | 1.506 | 1.446 | 4.0   | 93    | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 92    | -0.01    |
| 20      | 4-Bromophenyl-phenylether  | 0.215 | 0.200 | 7.0   | 89    | 0.00     |
| 21      | Hexachlorobenzene          | 0.231 | 0.225 | 2.6   | 91    | 0.00     |
| 22      | Pentachlorophenol          | 0.046 | 0.054 | -17.4 | 138   | 0.00     |
| 23      | Phenanthrene               | 0.972 | 0.914 | 6.0   | 88    | 0.00     |
| 24      | Anthracene                 | 0.866 | 0.770 | 11.1  | 83    | 0.00     |
| 25 SURR | Fluoranthene-d10           | 5.131 | 4.894 | 4.6   | 85    | 0.00     |
| 26      | Fluoranthene               | 1.286 | 1.247 | 3.0   | 86    | 0.00     |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 28      | Pvrene                     | 1.255 | 1.086 | 13.5  | 89    | 0.00     |
| 29 S    | Terphenyl-d14              | 0.972 | 0.768 | 21.0  | 84    | 0.00     |
| 30      | Benzo(a)anthracene         | 1.139 | 1.034 | 9.2   | 97    | -0.01    |
| 31      | Chrysene                   | 1.193 | 1.138 | 4.6   | 101   | 0.00     |
| 32      | Bis(2-ethylhexyl)phthalate | 2.313 | 2.125 | 8.1   | 97    | -0.01    |
| 33      | Indeno(1,2,3-cd)pyrene     | 1.187 | 1.187 | 0.0   | 111   | -0.02    |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 113   | -0.02    |
| 35      | Benzo(b)fluoranthene       | 1.094 | 1.059 | 3.2   | 113   | -0.01    |
| 36      | Benzo(k)fluoranthene       | 1.274 | 1.253 | 1.6   | 116   | -0.01    |
| 37 C    | Benzo(a)pyrene             | 1.129 | 1.096 | 2.9   | 112   | -0.02    |
| 38      | Dibenzo(a,h)anthracene     | 1.063 | 1.005 | 5.5   | 110   | -0.02    |
| 39      | Benzo(a,h,i)perylene       | 1.071 | 1.011 | 5.6   | 110   | -0.02    |

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