

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\  
 Data File : BN010191.D  
 Acq On : 11 Mar 2020 14:09  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Mar 11 15:21:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 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    | 90    | 0.00     |
| 2       | 1,4-Dioxane                | 0.410 | 0.460 | -12.2  | 101   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.673 | 1.053 | -56.5# | 159#  | 0.02     |
| 4 S     | 2-Fluorophenol             | 0.889 | 0.980 | -10.2  | 102   | 0.02     |
| 5 S     | Phenol-d6                  | 1.082 | 1.151 | -6.4   | 100   | 0.03     |
| 6       | bis(2-Chloroethyl)ether    | 1.052 | 0.984 | 6.5    | 87    | 0.02     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0    | 90    | 0.01     |
| 8 S     | Nitrobenzene-d5            | 0.333 | 0.395 | -18.6  | 113   | 0.04     |
| 9       | Naphthalene                | 1.091 | 1.139 | -4.4   | 97    | 0.01     |
| 10      | Hexachlorobutadiene        | 0.240 | 0.270 | -12.5  | 101   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.774 | 0.807 | -4.3   | 97    | 0.01     |
| 12      | 2-Methylnaphthalene        | 0.748 | 0.763 | -2.0   | 95    | 0.02     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.154 | 0.168 | -9.1   | 117   | 0.01     |
| 15 S    | 2-Fluorobiphenyl           | 1.510 | 1.393 | 7.7    | 92    | 0.01     |
| 16      | Acenaphthylene             | 1.705 | 1.589 | 6.8    | 100   | 0.00     |
| 17      | Acenaphthene               | 1.199 | 1.221 | -1.8   | 102   | 0.00     |
| 18      | Fluorene                   | 1.582 | 1.593 | -0.7   | 100   | 0.01     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 100   | 0.01     |
| 20      | 4-Bromophenyl-phenylether  | 0.279 | 0.144 | 48.4#  | 54    | 0.00     |
| 21      | Hexachlorobenzene          | 0.249 | 0.276 | -10.8  | 116   | 0.01     |
| 22      | Pentachlorophenol          | 0.064 | 0.051 | 20.3   | 107   | 0.01     |
| 23      | Phenanthrene               | 1.190 | 1.154 | 3.0    | 105   | 0.01     |
| 24      | Anthracene                 | 1.006 | 0.891 | 11.4   | 98    | 0.01     |
| 25 SURR | Fluoranthene-d10           | 1.384 | 1.237 | 10.6   | 96    | 0.00     |
| 26      | Fluoranthene               | 1.425 | 1.258 | 11.7   | 95    | 0.00     |
| 27 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 28      | Pvrene                     | 1.519 | 1.550 | -2.0   | 95    | 0.00     |
| 29 S    | Terphenyl-d14              | 0.956 | 1.005 | -5.1   | 97    | 0.01     |
| 30      | Benzo(a)anthracene         | 1.327 | 1.268 | 4.4    | 97    | 0.00     |
| 31      | Chrysene                   | 1.536 | 1.526 | 0.7    | 92    | 0.01     |
| 32      | Bis(2-ethylhexyl)phthalate | 0.648 | 0.698 | -7.7   | 108   | -0.01    |
| 33      | Indeno(1,2,3-cd)pyrene     | 1.599 | 1.629 | -1.9   | 92    | 0.00     |
| 34 I    | Perylene-d12               | 1.000 | 1.000 | 0.0    | 91    | 0.00     |
| 35      | Benzo(b)fluoranthene       | 1.462 | 1.380 | 5.6    | 94    | 0.00     |
| 36      | Benzo(k)fluoranthene       | 1.592 | 1.611 | -1.2   | 97    | 0.00     |
| 37 C    | Benzo(a)pyrene             | 1.334 | 1.294 | 3.0    | 91    | 0.00     |
| 38      | Dibenzo(a,h)anthracene     | 1.314 | 1.239 | 5.7    | 91    | 0.01     |
| 39      | Benzo(a,h,i)perylene       | 1.400 | 1.452 | -3.7   | 100   | 0.00     |

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