

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\  
 Data File : BE091956.D  
 Acq On : 24 Jun 2016 21:07  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Jun 24 23:07:10 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 15 12:00:38 2016  
 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     | 106   | 0.02     |
| 2    | 1,4-Dioxane                | 0.705 | 0.644 | 8.7     | 94    | 0.00     |
| 3    | n-Nitrosodimethylamine     | 0.802 | 0.778 | 3.0     | 102   | 0.04     |
| 4 S  | 2-Fluorophenol             | 0.977 | 1.296 | -32.7#  | 143   | 0.02     |
| 5 S  | Phenol-d6                  | 1.267 | 1.796 | -41.8#  | 157#  | 0.02     |
| 6    | bis(2-Chloroethyl)ether    | 1.431 | 1.405 | 1.8     | 105   | 0.02     |
| 7    | n-Nitroso-di-n-propylamine | 1.137 | 1.449 | -27.4#  | 137   | 0.02     |
| 8 I  | Naphthalene-d8             | 1.000 | 1.000 | 0.0     | 120   | 0.03     |
| 9 S  | Nitrobenzene-d5            | 0.345 | 0.377 | -9.3    | 130   | 0.02     |
| 10   | Nitrobenzene               | 0.343 | 0.382 | -11.4   | 131   | 0.02     |
| 11   | bis(2-Chloroethoxy)methane | 0.438 | 0.499 | -13.9   | 127   | 0.00     |
| 12   | Naphthalene                | 1.092 | 1.144 | -4.8    | 118   | 0.00     |
| 13   | Hexachlorobutadiene        | 0.177 | 0.188 | -6.2    | 120   | 0.00     |
| 14   | 2-Methylnaphthalene        | 0.741 | 0.813 | -9.7    | 127   | 0.00     |
| 15 I | Acenaphthene-d10           | 1.000 | 1.000 | 0.0     | 115   | 0.00     |
| 16 S | 2,4,6-Tribromophenol       | 0.102 | 0.140 | -37.3#  | 168#  | 0.02     |
| 17 S | 2-Fluorobiphenyl           | 1.269 | 1.380 | -8.7    | 116   | 0.00     |
| 18   | Acenaphthylene             | 5.075 | 5.733 | -13.0   | 131   | 0.03     |
| 19   | 2,6-Dinitrotoluene         | 0.811 | 0.681 | 16.0    | 136   | 0.00     |
| 20   | Acenaphthene               | 1.398 | 1.485 | -6.2    | 121   | 0.00     |
| 21   | 2,4-Dinitrotoluene         | 0.758 | 1.303 | -71.9#  | 211#  | 0.03     |
| 22   | Fluorene                   | 1.391 | 1.478 | -6.3    | 121   | 0.02     |
| 23   | 4-Chlorophenyl-phenylether | 0.685 | 0.696 | -1.6    | 110   | 0.00     |
| 24 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0     | 98    | 0.00     |
| 25   | 4-Bromophenyl-phenylether  | 0.193 | 0.228 | -18.1   | 114   | 0.02     |
| 26   | Hexachlorobenzene          | 0.198 | 0.225 | -13.6   | 107   | 0.00     |
| 27   | Pentachlorophenol          | 0.054 | 0.070 | -29.6#  | 163#  | 0.02     |
| 28   | Phenanthrene               | 1.250 | 1.354 | -8.3    | 102   | 0.00     |
| 29   | Anthracene                 | 1.106 | 1.271 | -14.9   | 115   | 0.00     |
| 30   | Fluoranthene               | 5.354 | 5.697 | -6.4    | 103   | 0.00     |
| 31 I | Chrysene-d12               | 1.000 | 1.000 | 0.0     | 83    | 0.00     |
| 32   | Benzidine                  | 0.170 | 0.417 | -145.3# | 286#  | 0.00     |
| 33   | Pyrene                     | 3.401 | 4.074 | -19.8   | 102   | 0.00     |
| 34 S | Terphenyl-d14              | 0.612 | 0.663 | -8.3    | 87    | 0.00     |
| 35   | Benzo(a)anthracene         | 0.786 | 0.984 | -25.2#  | 106   | 0.00     |
| 36   | 3,3'-Dichlorobenzidine     | 0.127 | 0.237 | -86.6#  | 186#  | 0.03     |
| 37   | Chrysene                   | 1.147 | 1.357 | -18.3   | 89    | 0.00     |
| 38   | Bis(2-ethylhexyl)phthalate | 0.580 | 1.832 | -215.9# | 303#  | -0.03    |
| 39   | Indeno(1,2,3-cd)pyrene     | 3.925 | 4.647 | -18.4   | 100   | 0.00     |
| 40 I | Perylene-d12               | 1.000 | 1.000 | 0.0     | 87    | 0.00     |
| 41   | Benzo(b)fluoranthene       | 1.284 | 1.495 | -16.4   | 98    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|------------------------|-------|-------|-------|-------|----------|
| 42   | Benzo(k)fluoranthene   | 1.175 | 1.278 | -8.8  | 95    | 0.00     |
| 43 C | Benzo(a)pyrene         | 1.122 | 1.328 | -18.4 | 104   | 0.00     |
| 44   | Dibenzo(a,h)anthracene | 1.092 | 1.240 | -13.6 | 99    | -0.02    |
| 45   | Benzo(a,h,i)perylene   | 4.507 | 5.180 | -14.9 | 99    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0