

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\  
 Data File : BF117094.D  
 Acq On : 17 Sep 2019 9:25  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 17 17:50:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 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                     | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 34.842 | 12.9 | 89    | 0.00     |
| 3    | Pyridine                     | 40.000 | 35.139 | 12.2 | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.048 | 12.4 | 90    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.674 | 6.7  | 93    | 0.00     |
| 6    | Aniline                      | 40.000 | 37.324 | 6.7  | 93    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 75.045 | 6.2  | 95    | 0.01     |
| 8    | 2-Chlorophenol               | 40.000 | 38.449 | 3.9  | 96    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.645 | -6.6 | 97    | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.256 | 6.9  | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.606 | 6.0  | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.102 | 4.7  | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.671 | 5.8  | 94    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.274 | 4.3  | 96    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.533 | 1.2  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.001 | 2.5  | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.025 | 4.9  | 97    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.087 | 4.8  | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.390 | 1.5  | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.797 | 3.0  | 98    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.657 | 5.9  | 100   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.640 | 5.4  | 99    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.955 | 5.1  | 99    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.905 | 5.2  | 102   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.189 | -0.5 | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.402 | 6.5  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.083 | 4.8  | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.198 | 2.0  | 101   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.246 | 6.9  | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.642 | 5.9  | 98    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 31.532 | 21.2 | 84    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.138 | 4.7  | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.843 | 2.9  | 102   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 35.916 | 10.2 | 96    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.664 | 3.3  | 103   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.284 | 4.3  | 101   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.619 | 3.5  | 102   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.825 | 5.4  | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 42.194 | -5.5 | 128   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.329 | -0.4 | 109   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 37.372 | 6.6  | 102   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 35.789 | 10.5 | 100   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 77.162 | 3.5   | 106   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.527 | 6.2   | 103   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.365 | 6.6   | 103   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 37.931 | 5.2   | 105   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.510 | 6.2   | 102   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.365 | 4.1   | 105   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.216 | -0.5  | 110   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.430 | 6.4   | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.046 | 4.9   | 103   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.103 | 2.2   | 118   | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 38.164 | 4.6   | 104   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.505 | 3.7   | 103   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.394 | -3.5  | 111   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.220 | 4.5   | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.513 | 3.7   | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.386 | 1.5   | 107   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.162 | -0.4  | 108   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.838 | 5.4   | 102   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.581 | 3.5   | 106   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.798 | 0.5   | 115   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.246 | 4.4   | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.723 | 0.7   | 108   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.032 | 2.4   | 109   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.639 | 3.4   | 102   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.518 | 16.2  | 91    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.376 | 6.6   | 101   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.690 | 3.3   | 104   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.143 | 7.1   | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.999 | -2.5  | 110   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.200 | 7.0   | 99    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 77   | Benzidine                  | 40.000 | 40.109 | -0.3  | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.372 | 6.6   | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.202 | 1.0   | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.939 | -2.3  | 106   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.580 | 6.1   | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.435 | 3.9   | 96    | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.447 | 6.4   | 95    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.471 | -11.2 | 115   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.920 | -12.3 | 113   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.232 | 16.9  | 93    | 0.01     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 86    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 37.485 | 6.3  | 88    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.376 | -0.9 | 89    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.318 | 4.2  | 87    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.481 | 6.3  | 95    | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 35.167 | 12.1 | 90    | 0.02     |

(#) = Out of Range

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