

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\  
 Data File : BF117438.D  
 Acq On : 17 Oct 2019 22:46  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 18 05:35:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 14 19:03:29 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   | 78    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.200 | -3.0  | 80    | -0.05    |
| 3    | Pyridine                    | 40.000 | 44.685 | -11.7 | 83    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.615 | -6.5  | 83    | -0.05    |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.831 | -1.0  | 78    | 0.00     |
| 6    | Aniline                     | 40.000 | 41.625 | -4.1  | 80    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.256 | -4.1  | 81    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.638 | -4.1  | 81    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 47.611 | -19.0 | 84    | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.247 | -3.1  | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.827 | -4.6  | 80    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.463 | -3.7  | 81    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.104 | -5.3  | 83    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.417 | -3.5  | 81    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 41.991 | -5.0  | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.820 | -4.6  | 83    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.923 | -2.3  | 83    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.417 | -1.0  | 79    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.439 | -3.6  | 83    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.111 | -2.8  | 81    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.188 | -3.0  | 83    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.211 | -2.8  | 84    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.213 | -3.0  | 84    | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.104 | -5.3  | 87    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 41.351 | -3.4  | 82    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.693 | -1.7  | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.621 | -1.6  | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.790 | -2.0  | 81    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.918 | -2.3  | 82    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.873 | -2.2  | 82    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 34.798 | 13.0  | 75    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 42.427 | -6.1  | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.665 | -4.2  | 85    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 44.763 | -11.9 | 87    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.194 | -5.5  | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.343 | -3.4  | 82    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.031 | -2.6  | 83    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.284 | -0.7  | 84    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 21.048 | 47.4# | 56    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 88.596 | -10.7 | 88    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.726 | -1.8  | 84    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.128 | -2.8  | 80    | 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 | 81.293 | -1.6  | 84    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.931 | -2.3  | 84    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.255 | -0.6  | 83    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.910 | -7.3  | 88    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.101 | -5.3  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.488 | -6.2  | 88    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.989 | -7.5  | 89    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.240 | -3.1  | 85    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.640 | -6.6  | 89    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.907 | 7.7   | 76    | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 41.712 | -4.3  | 86    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.093 | 12.3  | 71    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.999 | -12.5 | 91    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.075 | -5.2  | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.422 | -1.1  | 84    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 44.174 | -10.4 | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.338 | -5.8  | 86    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 47.720 | -19.3 | 90    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.560 | -6.4  | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.825 | 10.4  | 83    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.803 | 3.0   | 91    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.671 | 3.3   | 88    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.822 | 2.9   | 90    | 0.00     |
| 69   | Atrazine                   | 40.000 | 48.410 | -21.0 | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.668 | 15.8  | 77    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.585 | -1.5  | 92    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.705 | -1.8  | 92    | 0.00     |
| 73   | Carbazole                  | 40.000 | 42.951 | -7.4  | 97    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.403 | -6.0  | 98    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 44.687 | -11.7 | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 111   | 0.00     |
| 77   | Benzidine                  | 40.000 | 46.059 | -15.1 | 102   | 0.00     |
| 78   | Pyrene                     | 40.000 | 35.277 | 11.8  | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 69.783 | 12.8  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.096 | 4.8   | 111   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.725 | 0.7   | 110   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.209 | -5.5  | 116   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.884 | 0.3   | 110   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.073 | 2.3   | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.647 | -9.1  | 121   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 48.260 | -20.6 | 144   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 140   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.668 | -1.7 | 133   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 36.155 | 9.6  | 123   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.266 | -0.7 | 138   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.606 | -1.5 | 146   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.346 | 4.1  | 139   | 0.00     |

(#) = Out of Range

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