

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\  
 Data File : BF114949.D  
 Acq On : 11 Jun 2019 17:58  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 04:40:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 16:44:00 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   | 83    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.466 | -6.2  | 88    | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.449 | -8.6  | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.345 | -8.4  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.328 | -6.7  | 89    | 0.00     |
| 6    | Aniline                      | 40.000 | 41.202 | -3.0  | 85    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 85.250 | -6.6  | 87    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 43.336 | -8.3  | 88    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.406 | 1.5   | 88    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.566 | -3.9  | 87    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 43.034 | -7.6  | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.817 | -7.0  | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.974 | -7.4  | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 43.034 | -7.6  | 88    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.671 | -6.7  | 86    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.764 | -4.4  | 84    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.096 | -7.7  | 88    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.832 | -7.1  | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.737 | -4.3  | 86    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.433 | -8.6  | 90    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 83    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 42.803 | -7.0  | 89    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.564 | -7.0  | 88    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.041 | -7.6  | 87    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.138 | -2.8  | 85    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.112 | -10.3 | 88    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.205 | -5.5  | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.909 | -4.8  | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.333 | -8.3  | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.710 | -6.8  | 86    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 43.047 | -7.6  | 89    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 42.264 | -5.7  | 88    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 43.393 | -8.5  | 89    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.194 | -5.5  | 85    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.733 | -6.8  | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.695 | -6.7  | 87    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.495 | -6.2  | 87    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 42.336 | -5.8  | 87    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.360 | -8.4  | 87    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 39.967 | 0.1   | 77    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.524 | -4.4  | 86    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 43.051 | -7.6  | 87    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.097 | -7.7  | 87    | 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 | 77.818 | 2.7  | 89    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 42.931 | -7.3 | 88    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 43.155 | -7.9 | 87    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 43.400 | -8.5 | 88    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.840 | -7.1 | 88    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.562 | -6.4 | 89    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.604 | -6.5 | 87    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 42.127 | -5.3 | 87    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.264 | -8.2 | 88    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.787 | -4.5 | 84    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 42.941 | -7.4 | 88    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.142 | -5.4 | 86    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.506 | -8.8 | 87    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.799 | -2.0 | 90    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.444 | -6.1 | 86    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 42.257 | -5.6 | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.442 | -1.1 | 88    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 43.854 | -9.6 | 91    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.155 | -5.4 | 86    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 84    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.844 | -9.6 | 87    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.996 | -7.5 | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.233 | -5.6 | 85    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.292 | -5.7 | 87    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.644 | -1.6 | 84    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.700 | -6.8 | 84    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 43.094 | -7.7 | 90    | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.658 | -6.6 | 89    | 0.00     |
| 73   | Carbazole                  | 40.000 | 43.652 | -9.1 | 91    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.938 | -7.3 | 88    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.775 | -6.9 | 91    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 88    | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.123 | 2.2  | 82    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.596 | -4.0 | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.539 | -3.2 | 90    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.737 | -4.3 | 89    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.199 | -0.5 | 87    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.869 | -7.2 | 90    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.625 | -4.1 | 90    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.955 | -2.4 | 86    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.459 | -3.6 | 87    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.284 | 1.8  | 85    | 0.02     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 82    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 42.755 | -6.9 | 88    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.568 | -3.9 | 84    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.753 | -4.4 | 85    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.685 | -4.2 | 84    | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.941 | -4.9 | 85    | 0.01     |

(#) = Out of Range

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