

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP083019\  
 Data File : BP000012.D  
 Acq On : 30 Aug 2019 18:35  
 Operator : HP/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ICVBP083019

Quant Time: Aug 30 19:11:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 17:47:17 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   | 106   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.961 | 0.1   | 106   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.012 | -2.5  | 107   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.528 | 3.7   | 104   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.408 | -3.0  | 108   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.729 | 0.7   | 109   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.642 | -0.8  | 107   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.329 | -3.3  | 109   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.878 | 10.3  | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.427 | 1.4   | 108   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.938 | 0.2   | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.940 | -2.3  | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.777 | -1.9  | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.186 | -3.0  | 107   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.526 | -1.3  | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.429 | 1.4   | 106   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.463 | -1.2  | 110   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.734 | -1.8  | 109   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.145 | 2.1   | 106   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.990 | -2.5  | 108   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.575 | -1.4  | 106   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.956 | -4.9  | 110   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.140 | -2.9  | 109   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.265 | 1.8   | 106   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 45.331 | -13.3 | 126   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.726 | -1.8  | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.075 | -0.2  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.771 | -1.9  | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.752 | -1.9  | 107   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.235 | -3.1  | 104   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.609 | -4.0  | 122   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.347 | 1.6   | 106   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.047 | -2.6  | 109   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.742 | 3.1   | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.653 | 0.9   | 105   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.470 | -1.2  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.622 | -1.6  | 106   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.449 | -3.6  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 42.982 | -7.5  | 112   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.501 | -0.6  | 107   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.898 | -2.2  | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.024 | -2.6  | 108   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP083019\  
 Data File : BP000012.D  
 Acq On : 30 Aug 2019 18:35  
 Operator : HP/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ICVBP083019

Quant Time: Aug 30 19:11:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 17:47:17 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) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 78.707 | 1.6  | 106   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.439 | -3.6 | 104   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.277 | -3.2 | 106   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.363 | -5.9 | 110   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.268 | -3.2 | 104   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.457 | -1.1 | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.804 | -4.5 | 107   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.703 | -1.8 | 105   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.193 | -3.0 | 106   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.319 | -3.3 | 123   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.420 | -1.1 | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.791 | -2.0 | 108   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.217 | -3.0 | 107   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.259 | -0.6 | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.052 | -2.6 | 108   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.233 | 1.9  | 101   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.194 | -0.5 | 103   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.531 | 1.2  | 106   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.115 | -0.3 | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.665 | -4.2 | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.984 | -5.0 | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.769 | -1.9 | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.513 | -1.3 | 102   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.490 | 6.3  | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.326 | -3.3 | 103   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.208 | -3.0 | 99    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.586 | -4.0 | 101   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.461 | -1.2 | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.473 | -1.2 | 97    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.333 | -0.8 | 97    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 96    | 0.00     |
| 77   | Benzidine                  | 40.000 | 37.006 | 7.5  | 94    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.365 | -5.9 | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.920 | -3.7 | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.150 | -2.9 | 94    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.560 | -3.9 | 97    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.026 | -0.1 | 92    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.425 | -3.6 | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.524 | 1.2  | 91    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.620 | -1.5 | 90    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.144 | -0.4 | 98    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 95    | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP083019\  
Data File : BP000012.D  
Acq On : 30 Aug 2019 18:35  
Operator : HP/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP083019

Quant Time: Aug 30 19:11:19 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 30 17:47:17 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.098 | -2.7 | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.045 | -0.1 | 92    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.977 | -2.4 | 97    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.663 | -1.7 | 97    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.839 | 0.4  | 97    | 0.01     |

(#) = Out of Range

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