

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\  
 Data File : BM018789.D  
 Acq On : 13 Feb 2019 01:10  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 13 06:35:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 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                    | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 125   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.532 | 0.517 | 2.8  | 121   | 0.00     |
| 3    | Pyridine                    | 1.450 | 1.566 | -8.0 | 123   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.369 | 0.394 | -6.8 | 127   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.221 | 1.241 | -1.6 | 124   | 0.00     |
| 6    | Aniline                     | 2.107 | 2.148 | -1.9 | 124   | 0.00     |
| 7 S  | Phenol-d6                   | 1.720 | 1.772 | -3.0 | 125   | 0.00     |
| 8    | 2-Chlorophenol              | 1.340 | 1.364 | -1.8 | 125   | 0.00     |
| 9    | Benzaldehyde                | 0.941 | 0.994 | -5.6 | 132   | 0.00     |
| 10 C | Phenol                      | 1.809 | 1.867 | -3.2 | 126   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.380 | 1.410 | -2.2 | 124   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.507 | 1.509 | -0.1 | 124   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.534 | 1.546 | -0.8 | 126   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.474 | 1.477 | -0.2 | 124   | 0.00     |
| 15   | Benzyl Alcohol              | 1.366 | 1.437 | -5.2 | 125   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.336 | 1.342 | -0.4 | 126   | 0.00     |
| 17   | 2-Methylphenol              | 1.152 | 1.183 | -2.7 | 125   | 0.00     |
| 18   | Hexachloroethane            | 0.560 | 0.573 | -2.3 | 126   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.331 | 1.377 | -3.5 | 124   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.590 | 1.659 | -4.3 | 125   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 125   | 0.00     |
| 22   | Acetophenone                | 0.549 | 0.554 | -0.9 | 126   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.433 | 0.439 | -1.4 | 125   | 0.00     |
| 24   | Nitrobenzene                | 0.449 | 0.452 | -0.7 | 124   | 0.00     |
| 25   | Isophorone                  | 0.690 | 0.707 | -2.5 | 125   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.190 | -6.1 | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.261 | 0.266 | -1.9 | 125   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.446 | 0.451 | -1.1 | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.300 | 0.314 | -4.7 | 126   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.346 | 0.344 | 0.6  | 125   | 0.00     |
| 31   | Naphthalene                 | 0.975 | 0.965 | 1.0  | 125   | 0.00     |
| 32   | Benzoic acid                | 0.228 | 0.225 | 1.3  | 123   | 0.02     |
| 33   | 4-Chloroaniline             | 0.436 | 0.446 | -2.3 | 125   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.201 | 0.198 | 1.5  | 125   | 0.00     |
| 35   | Caprolactam                 | 0.122 | 0.127 | -4.1 | 125   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.362 | 0.375 | -3.6 | 126   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.687 | 0.680 | 1.0  | 124   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.672 | 0.664 | 1.2  | 124   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 124   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.640 | 0.633 | 1.1  | 123   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.327 | 0.312 | 4.6  | 118   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.288 | 0.299 | -3.8 | 126   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.424 | 0.444 | -4.7 | 126   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.444 | 0.467 | -5.2 | 126   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\  
 Data File : BM018789.D  
 Acq On : 13 Feb 2019 01:10  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 13 06:35:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 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                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.507 | 1.483 | 1.6   | 124   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.722 | 1.698 | 1.4   | 124   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.330 | 1.322 | 0.6   | 124   | 0.00     |
| 48   | 2-Nitroaniline             | 0.442 | 0.478 | -8.1  | 128   | 0.00     |
| 49   | Acenaphthylene             | 1.980 | 1.996 | -0.8  | 124   | 0.00     |
| 50   | Dimethylphthalate          | 1.667 | 1.648 | 1.1   | 123   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.361 | 0.371 | -2.8  | 123   | 0.00     |
| 52 C | Acenaphthene               | 1.214 | 1.196 | 1.5   | 123   | 0.00     |
| 53   | 3-Nitroaniline             | 0.408 | 0.411 | -0.7  | 124   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.200 | 0.169 | 15.5  | 104   | 0.00     |
| 55   | Dibenzofuran               | 1.995 | 1.972 | 1.2   | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.326 | 0.320 | 1.8   | 120   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.497 | 0.520 | -4.6  | 124   | 0.00     |
| 58   | Fluorene                   | 1.527 | 1.510 | 1.1   | 124   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.392 | 0.399 | -1.8  | 124   | 0.00     |
| 60   | Diethylphthalate           | 1.719 | 1.711 | 0.5   | 124   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.856 | 0.847 | 1.1   | 124   | 0.00     |
| 62   | 4-Nitroaniline             | 0.400 | 0.406 | -1.5  | 124   | 0.00     |
| 63   | Azobenzene                 | 1.844 | 1.893 | -2.7  | 125   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.140 | 0.125 | 10.7  | 110   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.632 | 0.632 | 0.0   | 124   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.224 | 0.223 | 0.4   | 123   | 0.00     |
| 68   | Hexachlorobenzene          | 0.260 | 0.257 | 1.2   | 125   | 0.00     |
| 69   | Atrazine                   | 0.204 | 0.201 | 1.5   | 122   | 0.00     |
| 70 C | Pentachlorophenol          | 0.168 | 0.173 | -3.0  | 122   | 0.00     |
| 71   | Phenanthrene               | 1.075 | 1.055 | 1.9   | 124   | 0.00     |
| 72   | Anthracene                 | 1.046 | 1.046 | 0.0   | 124   | 0.00     |
| 73   | Carbazole                  | 1.093 | 1.102 | -0.8  | 124   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.257 | 1.312 | -4.4  | 127   | 0.00     |
| 75 C | Fluoranthene               | 1.242 | 1.236 | 0.5   | 123   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 120   | 0.00     |
| 77   | Benzidine                  | 0.450 | 0.528 | -17.3 | 114   | 0.00     |
| 78   | Pyrene                     | 1.162 | 1.197 | -3.0  | 122   | 0.00     |
| 79 S | Terphenyl-d14              | 0.970 | 1.029 | -6.1  | 123   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.529 | 0.589 | -11.3 | 127   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.166 | 1.179 | -1.1  | 120   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.461 | 0.476 | -3.3  | 119   | 0.00     |
| 83   | Chrysene                   | 1.117 | 1.123 | -0.5  | 119   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.775 | 0.861 | -11.1 | 128   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.302 | 1.437 | -10.4 | 125   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.290 | 1.074 | 16.7  | 91    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\  
Data File : BM018789.D  
Acq On : 13 Feb 2019 01:10  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC040

Quant Time: Feb 13 06:35:30 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.144 | 1.210 | -5.8 | 111   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.139 | 1.191 | -4.6 | 110   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.084 | 1.101 | -1.6 | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.074 | 1.000 | 6.9  | 92    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.000 | 0.903 | 9.7  | 88    | 0.00     |

(#) = Out of Range

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