

Data Path : Z:\HPCHEM1\BNA B\DATA\BB101016\  
 Data File : BB058599.D  
 Acq On : 10 Oct 2016 18:56  
 Operator : UM/SJ  
 Sample : SSTD08080  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_B  
 ClientSampleId :  
 SSTD08080

Manual Integrations  
 APPROVED

sohil  
 10/11/2016 7:08:05 PM

Quant Time: Oct 11 11:13:26 2016  
 Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB101016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 11 10:48:11 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.68  | 152  | 587850   | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 11.62 | 136  | 2213646  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.57 | 164  | 1294957  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 18.42 | 188  | 2147720  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.81 | 240  | 2461175  | 20.00 | ng/ul | 0.02     |
| 83) Perylene-d12          | 25.87 | 264  | 1877467  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |          |        |       |      |
|--------------------------------|-------|-----|----------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 399987   | 26.69  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.85  | 99  | 3265469  | 72.26  | ng/ul | 0.04 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.97  | 67  | 2159002  | 70.92  | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4           | 8.20  | 132 | 3555776  | 82.61  | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8          | 9.47  | 113 | 2745567  | 78.79  | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 9.91  | 128 | 1856234  | 82.22  | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 10.68 | 143 | 2108219  | 83.38  | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3      | 11.26 | 165 | 2978987  | 86.14  | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 11.78 | 131 | 3377378  | 85.88  | ng/ul | 0.04 |
| 43) Dimethylphthalate-d6       | 14.97 | 166 | 6626447  | 77.21  | ng/ul | 0.02 |
| 46) Acenaphthylene-d8          | 15.26 | 160 | 7712066  | 73.53  | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4           | 15.84 | 143 | 1692165  | 78.18  | ng/ul | 0.08 |
| 57) Fluorene-d10               | 16.61 | 176 | 5635483  | 81.97  | ng/ul | 0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 16.76 | 200 | 2035679  | 101.89 | ng/ul | 0.04 |
| 70) Anthracene-d10             | 18.54 | 188 | 7273657m | 74.43  | ng/ul | 0.02 |
| 76) Pyrene-d10                 | 20.86 | 212 | 7741865  | 68.25  | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12         | 25.70 | 264 | 7447131  | 88.82  | ng/ul | 0.06 |

## Target Compounds

|                                |       |     |          |        |        | Ovalue |
|--------------------------------|-------|-----|----------|--------|--------|--------|
| 2) 1,4-Dioxane                 | 3.69  | 88  | 395902   | 26.26  | ng/uL# | 77     |
| 4) Benzaldehyde                | 7.73  | 77  | 2088025  | 70.61  | ng/ul  | 97     |
| 6) Phenol                      | 7.87  | 94  | 3210288  | 74.90  | ng/ul# | 72     |
| 8) Bis(2-Chloroethyl)ether     | 8.06  | 93  | 2656807  | 70.33  | ng/ul  | 87     |
| 10) 2-Chlorophenol             | 8.23  | 128 | 3368706  | 83.05  | ng/ul  | 96     |
| 11) 2-Methylphenol             | 9.18  | 108 | 2642569  | 79.66  | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 9.26  | 45  | 4393100  | 69.41  | ng/ul# | 90     |
| 14) Acetophenone               | 9.56  | 105 | 4055133  | 80.98  | ng/ul# | 64     |
| 15) N-Nitroso-di-n-propylamine | 9.62  | 70  | 2445656  | 81.05  | ng/ul# | 64     |
| 16) 4-Methylphenol             | 9.56  | 108 | 2915083  | 82.98  | ng/ul  | 100    |
| 17) Hexachloroethane           | 9.83  | 117 | 1640590  | 86.61  | ng/ul# | 76     |
| 20) Nitrobenzene               | 9.95  | 77  | 3269468  | 78.71  | ng/ul# | 89     |
| 21) Isophorone                 | 10.55 | 82  | 6235738  | 75.41  | ng/ul# | 92     |
| 23) 2-Nitrophenol              | 10.72 | 139 | 2195697  | 88.86  | ng/ul# | 80     |
| 24) 2,4-Dimethylphenol         | 10.80 | 107 | 3324178  | 82.54  | ng/ul  | 94     |
| 25) Bis(2-Chloroethoxy)methane | 11.01 | 93  | 3025280  | 69.28  | ng/ul# | 91     |
| 27) 2,4-Dichlorophenol         | 11.30 | 162 | 3074343  | 93.66  | ng/ul# | 92     |
| 28) Naphthalene                | 11.68 | 128 | 7333388  | 70.78  | ng/ul# | 89     |
| 30) 4-Chloroaniline            | 11.80 | 127 | 3198483  | 88.16  | ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 12.03 | 225 | 2078325  | 118.94 | ng/ul  | 99     |
| 32) Caprolactam                | 12.66 | 113 | 1203643m | 86.71  | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.99 | 107 | 2816524  | 81.69  | ng/ul  | 93     |
| 34) 2-Methylnaphthalene        | 13.34 | 142 | 5504441  | 77.33  | ng/ul  | 99     |

Data Path : Z:\HPCHEM1\BNA B\DATA\BB101016\  
 Data File : BB058599.D  
 Acq On : 10 Oct 2016 18:56  
 Operator : UM/SJ  
 Sample : SSTD08080  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_B  
 ClientSampleId :  
 SSTD08080

Manual Integrations  
 APPROVED

sohil  
 10/11/2016 7:08:05 PM

Quant Time: Oct 11 11:13:26 2016  
 Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB101016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 11 10:48:11 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.74 | 216  | 3242242  | 104.94 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 13.74 | 237  | 2265157  | 141.98 | ng/ul# | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.97 | 196  | 2141298  | 93.26  | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 14.07 | 196  | 2289701  | 97.56  | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 14.38 | 154  | 6323811  | 75.06  | ng/ul# | 85       |
| 41) 2-Chloronaphthalene        | 14.43 | 162  | 5751594  | 86.48  | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 14.63 | 65   | 2074694  | 80.03  | ng/ul# | 87       |
| 44) Dimethylphthalate          | 15.03 | 163  | 6379875  | 76.99  | ng/ul# | 86       |
| 45) 2,6-Dinitrotoluene         | 15.15 | 165  | 1828849  | 83.48  | ng/ul  | 97       |
| 47) Acenaphthylene             | 15.30 | 152  | 6406268  | 62.85  | ng/ul# | 77       |
| 48) 3-Nitroaniline             | 14.63 | 138  | 2275367  | 77.16  | ng/ul# | 40       |
| 49) Acenaphthene               | 15.65 | 153  | 5373817  | 80.11  | ng/ul  | 91       |
| 50) 2,4-Dinitrophenol          | 15.69 | 184  | 1484237  | 103.62 | ng/ul# | 75       |
| 52) 4-Nitrophenol              | 15.84 | 109  | 1309673  | 92.13  | ng/ul  | 85       |
| 53) Dibenzofuran               | 16.01 | 168  | 7264912  | 76.28  | ng/ul# | 85       |
| 54) 2,4-Dinitrotoluene         | 15.97 | 165  | 2923339  | 98.45  | ng/ul# | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 16.24 | 232  | 2027930  | 110.50 | ng/ul# | 84       |
| 56) Diethylphthalate           | 16.44 | 149  | 6044649  | 67.08  | ng/ul# | 90       |
| 58) Fluorene                   | 16.69 | 166  | 6361508  | 84.06  | ng/ul  | 92       |
| 59) 4-Chlorophenyl-phenylether | 16.65 | 204  | 3599493  | 101.57 | ng/ul# | 85       |
| 60) 4-Nitroaniline             | 16.74 | 138  | 1932489  | 84.49  | ng/ul# | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 16.78 | 198  | 2101285  | 104.51 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 16.88 | 169  | 4956234  | 68.45  | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 17.59 | 248  | 2380518  | 102.65 | ng/ul# | 83       |
| 66) Hexachlorobenzene          | 17.75 | 284  | 2471708  | 94.93  | ng/ul  | 93       |
| 67) Atrazine                   | 17.88 | 200  | 1995667  | 85.87  | ng/ul  | 88       |
| 68) Pentachlorophenol          | 18.09 | 266  | 1801129  | 106.30 | ng/ul  | 98       |
| 69) Phenanthrene               | 18.48 | 178  | 7013290  | 62.45  | ng/ul# | 78       |
| 71) Anthracene                 | 18.57 | 178  | 7212705  | 63.04  | ng/ul# | 77       |
| 72) Carbazole                  | 18.84 | 167  | 6836937  | 68.78  | ng/ul# | 78       |
| 73) Di-n-butylphthalate        | 19.42 | 149  | 8438075  | 52.24  | ng/ul# | 82       |
| 74) Fluoranthene               | 20.54 | 202  | 7918208  | 77.43  | ng/ul  | 98       |
| 77) Pyrene                     | 20.90 | 202  | 7274258  | 52.01  | ng/ul# | 69       |
| 78) Butylbenzylphthalate       | 21.79 | 149  | 4986707  | 49.25  | ng/ul  | 94       |
| 79) 3,3'-Dichlorobenzidine     | 22.69 | 252  | 3694222  | 90.35  | ng/ul# | 92       |
| 80) Benzo(a)anthracene         | 22.77 | 228  | 8852368  | 68.57  | ng/ul# | 86       |
| 81) Bis(2-ethylhexyl)phthalate | 22.67 | 149  | 6135345  | 47.22  | ng/ul# | 62       |
| 82) Chrysene                   | 22.85 | 228  | 7977714  | 68.80  | ng/ul# | 79       |
| 84) Di-n-octyl phthalate       | 22.67 | 149  | 6135345  | 63.28  | ng/ul# | 19       |
| 85) Benzo(b)fluoranthene       | 24.97 | 252  | 11947317 | 99.53  | ng/ul# | 93       |
| 86) Benzo(k)fluoranthene       | 25.00 | 252  | 6145459m | 72.55  | ng/ul  |          |
| 88) Benzo(a)pyrene             | 25.77 | 252  | 8579134  | 87.09  | ng/ul# | 90       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.28 | 276  | 8112959  | 81.92  | ng/ul# | 85       |
| 90) Dibenzo(a,h)anthracene     | 29.28 | 278  | 6964309  | 85.29  | ng/ul# | 93       |
| 91) Benzo(g,h,i)perylene       | 30.24 | 276  | 6097928  | 76.71  | ng/ul# | 93       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

