

Data Path : Z:\HPCHEM1\BNA B\DATA\BB101016\  
 Data File : BB058596.D  
 Acq On : 10 Oct 2016 16:54  
 Operator : UM/SJ  
 Sample : SSTD01077  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_B  
 ClientSampleId :

Quant Time: Oct 11 10:54:11 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  | 535021   | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 11.62 | 136  | 2071976  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.57 | 164  | 1167828  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 18.52 | 188  | 847555   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.79 | 240  | 1893699  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.85 | 264  | 1523985  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 47653  | 3.49  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.79  | 99  | 405053 | 9.85  | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.95  | 67  | 278749 | 10.06 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 8.18  | 132 | 404458 | 10.32 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.43  | 113 | 325159 | 10.25 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.89  | 128 | 200934 | 9.51  | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.64 | 143 | 220929 | 9.34  | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 11.24 | 165 | 315450 | 9.75  | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.74 | 131 | 395366 | 10.74 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.94 | 166 | 783976 | 10.13 | ng/ul | -0.02 |
| 46) Acenaphthylene-d8          | 15.24 | 160 | 934234 | 9.88  | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.76 | 143 | 150615 | 7.72  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 16.59 | 176 | 652053 | 10.52 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.71 | 200 | 151205 | 19.18 | ng/ul | -0.02 |
| 70) Anthracene-d10             | 18.52 | 188 | 847555 | 21.98 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 20.85 | 212 | 868913 | 9.96  | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 25.64 | 264 | 668723 | 9.83  | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |         |       | Ovalue    |
|--------------------------------|-------|-----|---------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.69  | 88  | 46165   | 3.36  | ng/uL# 70 |
| 4) Benzaldehyde                | 7.73  | 77  | 298795  | 11.10 | ng/ul 95  |
| 6) Phenol                      | 7.83  | 94  | 405079  | 10.38 | ng/ul# 77 |
| 8) Bis(2-Chloroethyl)ether     | 8.04  | 93  | 335410  | 9.76  | ng/ul# 83 |
| 10) 2-Chlorophenol             | 8.22  | 128 | 385843  | 10.45 | ng/ul 97  |
| 11) 2-Methylphenol             | 9.16  | 108 | 319397  | 10.58 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.26  | 45  | 641215  | 11.13 | ng/ul# 88 |
| 14) Acetophenone               | 9.53  | 105 | 472499  | 10.37 | ng/ul# 70 |
| 15) N-Nitroso-di-n-propylamine | 9.53  | 70  | 285404  | 10.39 | ng/ul# 50 |
| 16) 4-Methylphenol             | 9.51  | 108 | 330043  | 10.32 | ng/ul 96  |
| 17) Hexachloroethane           | 9.83  | 117 | 189159  | 10.97 | ng/ul# 72 |
| 20) Nitrobenzene               | 9.93  | 77  | 407979  | 10.49 | ng/ul# 87 |
| 21) Isophorone                 | 10.49 | 82  | 802023  | 10.36 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.68 | 139 | 233815  | 10.11 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 10.76 | 107 | 396360  | 10.51 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.99 | 93  | 382953  | 9.37  | ng/ul# 94 |
| 27) 2,4-Dichlorophenol         | 11.26 | 162 | 313783  | 10.21 | ng/ul 97  |
| 28) Naphthalene                | 11.66 | 128 | 1015570 | 10.47 | ng/ul 98  |
| 30) 4-Chloroaniline            | 11.76 | 127 | 383004  | 11.28 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 12.01 | 225 | 214359  | 13.11 | ng/ul 99  |
| 32) Caprolactam                | 12.51 | 113 | 87228   | 6.71  | ng/ul 84  |
| 33) 4-Chloro-3-methylphenol    | 12.95 | 107 | 324236  | 10.05 | ng/ul 89  |
| 34) 2-Methylnaphthalene        | 13.32 | 142 | 682645  | 10.25 | ng/ul 94  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.72 | 216  | 358687   | 12.87 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 13.72 | 237  | 189345   | 13.16 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.95 | 196  | 208311   | 10.06 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 14.03 | 196  | 221830   | 10.48 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 14.36 | 154  | 814655   | 10.72 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 14.40 | 162  | 621414   | 10.36 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 14.59 | 65   | 246610   | 10.55 | ng/ul# | 86       |
| 44) Dimethylphthalate          | 14.99 | 163  | 806961   | 10.80 | ng/ul# | 97       |
| 45) 2,6-Dinitrotoluene         | 15.11 | 165  | 192529   | 9.75  | ng/ul  | 91       |
| 47) Acenaphthylene             | 15.28 | 152  | 954801   | 10.39 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.59 | 138  | 240808   | 9.05  | ng/ul# | 45       |
| 49) Acenaphthene               | 15.63 | 153  | 613273   | 10.14 | ng/ul  | 93       |
| 50) 2,4-Dinitrophenol          | 15.65 | 184  | 90923    | 7.04  | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.76 | 109  | 125664   | 9.80  | ng/ul# | 81       |
| 53) Dibenzofuran               | 15.97 | 168  | 907907   | 10.57 | ng/ul# | 87       |
| 54) 2,4-Dinitrotoluene         | 15.92 | 165  | 266720   | 9.96  | ng/ul# | 73       |
| 55) 2,3,4,6-Tetrachlorophenol  | 16.23 | 232  | 195556   | 11.82 | ng/ul# | 91       |
| 56) Diethylphthalate           | 16.40 | 149  | 854245   | 10.51 | ng/ul# | 92       |
| 58) Fluorene                   | 16.65 | 166  | 708609   | 10.38 | ng/ul  | 92       |
| 59) 4-Chlorophenyl-phenylether | 16.65 | 204  | 349232   | 10.93 | ng/ul  | 91       |
| 60) 4-Nitroaniline             | 16.65 | 138  | 189576   | 9.19  | ng/ul# | 83       |
| 63) 4,6-Dinitro-2-methylphenol | 16.73 | 198  | 162815   | 20.52 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 16.86 | 169  | 618980   | 21.66 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 17.57 | 248  | 219399   | 23.97 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 17.73 | 284  | 226938   | 22.09 | ng/ul# | 91       |
| 67) Atrazine                   | 17.84 | 200  | 231932   | 25.29 | ng/ul# | 90       |
| 68) Pentachlorophenol          | 18.07 | 266  | 127823   | 19.12 | ng/ul  | 99       |
| 69) Phenanthrene               | 18.55 | 178  | 1002427  | 22.62 | ng/ul  | 98       |
| 71) Anthracene                 | 18.55 | 178  | 1002427  | 22.20 | ng/ul  | 99       |
| 72) Carbazole                  | 18.82 | 167  | 863725   | 22.02 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 19.40 | 149  | 1551343  | 24.34 | ng/ul  | 99       |
| 74) Fluoranthene               | 20.52 | 202  | 1038772  | 25.74 | ng/ul# | 94       |
| 77) Pyrene                     | 20.88 | 202  | 1142658  | 10.62 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 21.79 | 149  | 691161   | 8.87  | ng/ul  | 86       |
| 79) 3,3'-Dichlorobenzidine     | 22.66 | 252  | 323514   | 10.28 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 22.75 | 228  | 1016668  | 10.24 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 22.67 | 149  | 932464   | 9.33  | ng/ul# | 93       |
| 82) Chrysene                   | 22.83 | 228  | 969571   | 10.87 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.67 | 149  | 932464   | 11.85 | ng/ul# | 63       |
| 85) Benzo(b)fluoranthene       | 24.89 | 252  | 952338   | 9.77  | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 24.95 | 252  | 779551   | 11.34 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 25.70 | 252  | 826377   | 10.33 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.12 | 276  | 679304   | 8.45  | ng/ul# | 89       |
| 90) Dibenzo(a,h)anthracene     | 29.14 | 278  | 547793   | 8.27  | ng/ul# | 92       |
| 91) Benzo(g,h,i)perylene       | 30.11 | 276  | 551090   | 8.54  | ng/ul# | 89       |

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

