

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\  
 Data File : BB058558.D  
 Acq On : 29 Sep 2016 14:26  
 Operator : UM/SJ  
 Sample : SSTD04070  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_B  
 ClientSampleId :  
 SSTD04070

Quant Time: Sep 29 15:33:25 2016  
 Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 29 14:56:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.66  | 152  | 365323   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.62 | 136  | 1403536  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.57 | 164  | 800841   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 18.42 | 188  | 1245477  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.79 | 240  | 1233024  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.86 | 264  | 1073325  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 127925  | 17.21 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.81  | 99  | 1134744 | 34.99 | ng/ul | 0.02  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.95  | 67  | 752858  | 43.18 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 8.18  | 132 | 1054858 | 44.80 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.45  | 113 | 859946  | 31.07 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.89  | 128 | 556544  | 55.47 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.66 | 143 | 642852  | 56.39 | ng/ul | 0.02  |
| 26) 2,4-Dichlorophenol-d3      | 11.24 | 165 | 877880  | 38.65 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.74 | 131 | 1090620 | 45.73 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.96 | 166 | 2082279 | 35.75 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 15.26 | 160 | 2593547 | 38.37 | ng/ul | 0.02  |
| 51) 4-Nitrophenol-d4           | 15.78 | 143 | 517821  | 50.36 | ng/ul | 0.02  |
| 57) Fluorene-d10               | 16.59 | 176 | 1695100 | 33.18 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.73 | 200 | 473138  | 62.26 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 18.42 | 188 | 1245477 | 21.76 | ng/ul | -0.09 |
| 76) Pyrene-d10                 | 20.87 | 212 | 2172831 | 44.41 | ng/ul | 0.02  |
| 87) Benzo(a)pyrene-d12         | 25.66 | 264 | 1911363 | 40.25 | ng/ul | 0.02  |

## Target Compounds

|                                |       |     |         |       | Ovalue |    |
|--------------------------------|-------|-----|---------|-------|--------|----|
| 2) 1,4-Dioxane                 | 3.69  | 88  | 127348  | 16.34 | ng/uL# | 84 |
| 4) Benzaldehyde                | 7.74  | 77  | 787577  | 36.21 | ng/ul  | 94 |
| 6) Phenol                      | 7.83  | 94  | 1100168 | 33.44 | ng/ul# | 84 |
| 8) Bis(2-Chloroethyl)ether     | 8.04  | 93  | 935873  | 39.71 | ng/ul  | 89 |
| 10) 2-Chlorophenol             | 8.22  | 128 | 1003729 | 42.51 | ng/ul  | 98 |
| 11) 2-Methylphenol             | 9.16  | 108 | 837963  | 33.04 | ng/ul  | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.24  | 45  | 1679194 | 65.51 | ng/ul# | 86 |
| 14) Acetophenone               | 9.55  | 105 | 1239574 | 29.41 | ng/ul# | 88 |
| 15) N-Nitroso-di-n-propylamine | 9.56  | 70  | 736358  | 34.41 | ng/ul# | 72 |
| 16) 4-Methylphenol             | 9.53  | 108 | 866008  | 30.51 | ng/ul  | 98 |
| 17) Hexachloroethane           | 9.83  | 117 | 475367  | 49.20 | ng/ul# | 69 |
| 20) Nitrobenzene               | 9.93  | 77  | 1030569 | 40.08 | ng/ul  | 91 |
| 21) Isophorone                 | 10.51 | 82  | 2057465 | 41.82 | ng/ul# | 92 |
| 23) 2-Nitrophenol              | 10.68 | 139 | 620672  | 52.32 | ng/ul# | 93 |
| 24) 2,4-Dimethylphenol         | 10.78 | 107 | 1032779 | 37.64 | ng/ul  | 91 |
| 25) Bis(2-Chloroethoxy)methane | 10.99 | 93  | 1070950 | 38.15 | ng/ul# | 94 |
| 27) 2,4-Dichlorophenol         | 11.26 | 162 | 817152  | 36.51 | ng/ul  | 98 |
| 28) Naphthalene                | 11.68 | 128 | 2601012 | 38.36 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 11.78 | 127 | 1035634 | 41.49 | ng/ul  | 96 |
| 31) Hexachlorobutadiene        | 12.01 | 225 | 440112  | 26.92 | ng/ul  | 98 |
| 32) Caprolactam                | 12.59 | 113 | 220152  | 26.88 | ng/ul  | 97 |
| 33) 4-Chloro-3-methylphenol    | 12.97 | 107 | 869778  | 31.92 | ng/ul# | 84 |
| 34) 2-Methylnaphthalene        | 13.34 | 142 | 1820073 | 34.21 | ng/ul  | 95 |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.72 | 216  | 764866   | 32.39 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 13.72 | 237  | 424151   | 33.45 | ng/ul# | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.95 | 196  | 556637   | 36.95 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 14.05 | 196  | 589186   | 35.74 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 14.36 | 154  | 2069834  | 38.92 | ng/ul  | 96       |
| 41) 2-Chloronaphthalene        | 14.42 | 162  | 1693626  | 40.93 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 14.61 | 65   | 673413   | 52.97 | ng/ul# | 83       |
| 44) Dimethylphthalate          | 15.01 | 163  | 2080434  | 36.82 | ng/ul# | 95       |
| 45) 2,6-Dinitrotoluene         | 15.13 | 165  | 538747   | 48.07 | ng/ul# | 75       |
| 47) Acenaphthylene             | 15.28 | 152  | 2438667  | 36.34 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.61 | 138  | 749587   | 65.81 | ng/ul# | 41       |
| 49) Acenaphthene               | 15.65 | 153  | 1663212  | 36.04 | ng/ul  | 92       |
| 50) 2,4-Dinitrophenol          | 15.67 | 184  | 360629   | 48.17 | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 15.80 | 109  | 352763   | 32.96 | ng/ul# | 69       |
| 53) Dibenzofuran               | 16.00 | 168  | 2424676  | 35.62 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.94 | 165  | 757149   | 43.80 | ng/ul# | 93       |
| 55) 2,3,4,6-Tetrachlorophenol  | 16.23 | 232  | 464138   | 28.45 | ng/ul# | 70       |
| 56) Diethylphthalate           | 16.42 | 149  | 2197326  | 38.12 | ng/ul  | 98       |
| 58) Fluorene                   | 16.67 | 166  | 1926132  | 34.28 | ng/ul  | 91       |
| 59) 4-Chlorophenyl-phenylether | 16.65 | 204  | 910043   | 30.78 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 16.67 | 138  | 600940   | 47.97 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 16.75 | 198  | 505288   | 64.76 | ng/ul# | 99       |
| 64) N-Nitrosodiphenylamine     | 16.86 | 169  | 1601822  | 47.60 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 17.58 | 248  | 542567   | 39.97 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 17.73 | 284  | 588702   | 38.50 | ng/ul# | 82       |
| 67) Atrazine                   | 17.86 | 200  | 588127   | 41.98 | ng/ul  | 88       |
| 68) Pentachlorophenol          | 18.08 | 266  | 402726   | 42.06 | ng/ul  | 98       |
| 69) Phenanthrene               | 18.46 | 178  | 2442777  | 37.04 | ng/ul  | 97       |
| 71) Anthracene                 | 18.56 | 178  | 2510935  | 37.51 | ng/ul  | 96       |
| 72) Carbazole                  | 18.83 | 167  | 2527083  | 42.47 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 19.40 | 149  | 3276701  | 48.69 | ng/ul# | 94       |
| 74) Fluoranthene               | 20.52 | 202  | 2707501  | 32.55 | ng/ul# | 94       |
| 77) Pyrene                     | 20.89 | 202  | 2483880  | 41.06 | ng/ul# | 82       |
| 78) Butylbenzylphthalate       | 21.79 | 149  | 1955507  | 84.22 | ng/ul  | 92       |
| 79) 3,3'-Dichlorobenzidine     | 22.68 | 252  | 876262   | 38.68 | ng/ul# | 97       |
| 80) Benzo(a)anthracene         | 22.77 | 228  | 2437430  | 36.18 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 22.68 | 149  | 2328554  | 69.55 | ng/ul# | 84       |
| 82) Chrysene                   | 22.83 | 228  | 2197678  | 34.15 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.68 | 149  | 2328554  | 44.92 | ng/ul# | 58       |
| 85) Benzo(b)fluoranthene       | 24.91 | 252  | 2606967  | 43.29 | ng/ul# | 93       |
| 86) Benzo(k)fluoranthene       | 24.99 | 252  | 2124428  | 36.67 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 25.74 | 252  | 2269358  | 39.27 | ng/ul# | 95       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.17 | 276  | 2296991  | 35.98 | ng/ul# | 83       |
| 90) Dibenzo(a,h)anthracene     | 29.21 | 278  | 1915380  | 36.44 | ng/ul# | 88       |
| 91) Benzo(g,h,i)perylene       | 30.19 | 276  | 1831481  | 34.20 | ng/ul# | 85       |

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

