

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM022317\  
 Data File : BM009003.D  
 Acq On : 23 Feb 2017 13:12  
 Operator : SJ/MA  
 Sample : SSTD01049  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01049

Quant Time: Feb 23 15:09:06 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 23 14:44:09 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 175324   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.70 | 136  | 682401   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.54 | 164  | 493668   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.29 | 188  | 1016423  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 1237715  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.80 | 264  | 1169116  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 16066  | 3.53 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 145023 | 9.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.23  | 67  | 106355 | 9.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.43  | 132 | 101060 | 9.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.59  | 113 | 108977 | 9.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.06  | 128 | 45227  | 9.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.79  | 143 | 48096  | 9.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.32 | 165 | 107395 | 9.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.84 | 131 | 109774 | 9.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.95 | 166 | 317047 | 9.39 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.23 | 160 | 389880 | 9.56 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.72 | 143 | 48171  | 8.10 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.53 | 176 | 299777 | 9.56 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 47415  | 7.85 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.38 | 188 | 453632 | 9.49 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.67 | 212 | 517695 | 9.76 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.64 | 264 | 502639 | 9.54 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 20541  | 4.07  | ng/uL# | 74     |
| 4) Benzaldehyde                | 7.05  | 77  | 125281 | 10.43 | ng/ul# | 82     |
| 6) Phenol                      | 7.08  | 94  | 154815 | 9.25  | ng/ul# | 69     |
| 8) Bis(2-Chloroethyl)ether     | 7.32  | 93  | 128162 | 9.77  | ng/ul# | 77     |
| 10) 2-Chlorophenol             | 7.46  | 128 | 102212 | 9.32  | ng/ul# | 78     |
| 11) 2-Methylphenol             | 8.33  | 108 | 105195 | 9.09  | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43  | 45  | 213159 | 10.14 | ng/ul  | 97     |
| 14) Acetophenone               | 8.72  | 105 | 191053 | 9.45  | ng/ul# | 81     |
| 15) N-Nitroso-di-n-propylamine | 8.70  | 70  | 118780 | 10.21 | ng/ul# | 81     |
| 16) 4-Methylphenol             | 8.66  | 108 | 118566 | 9.38  | ng/ul  | 93     |
| 17) Hexachloroethane           | 8.98  | 117 | 48987  | 9.20  | ng/ul# | 79     |
| 20) Nitrobenzene               | 9.10  | 77  | 171096 | 10.50 | ng/ul# | 90     |
| 21) Isophorone                 | 9.63  | 82  | 277661 | 9.84  | ng/ul  | 96     |
| 23) 2-Nitrophenol              | 9.82  | 139 | 54230  | 9.64  | ng/ul# | 58     |
| 24) 2,4-Dimethylphenol         | 9.86  | 107 | 143742 | 10.11 | ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.11 | 93  | 162805 | 9.99  | ng/ul  | 96     |
| 27) 2,4-Dichlorophenol         | 10.34 | 162 | 107173 | 9.80  | ng/ul# | 91     |
| 28) Naphthalene                | 10.75 | 128 | 338892 | 9.96  | ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.86 | 127 | 115744 | 9.94  | ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 11.03 | 225 | 87644  | 9.77  | ng/ul  | 97     |
| 32) Caprolactam                | 11.64 | 113 | 29326  | 8.82  | ng/ul# | 78     |
| 33) 4-Chloro-3-methylphenol    | 11.97 | 107 | 120035 | 9.69  | ng/ul  | 92     |
| 34) 2-Methylnaphthalene        | 12.36 | 142 | 254624 | 10.06 | ng/ul  | 93     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.72 | 216  | 159347   | 9.88  | ng/ul  | 93       |
| 37) Hexachlorocyclopentadiene  | 12.70 | 237  | 91645    | 8.90  | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.96 | 196  | 90020    | 9.79  | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 13.03 | 196  | 94764    | 9.46  | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.37 | 154  | 330757   | 9.65  | ng/ul  | 96       |
| 41) 2-Chloronaphthalene        | 13.41 | 162  | 261249   | 9.68  | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.62 | 65   | 92274    | 10.08 | ng/ul# | 76       |
| 44) Dimethylphthalate          | 13.99 | 163  | 320192   | 9.48  | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 14.12 | 165  | 56621    | 9.22  | ng/ul# | 81       |
| 47) Acenaphthylene             | 14.26 | 152  | 381395   | 9.43  | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.45 | 138  | 56681    | 9.25  | ng/ul# | 73       |
| 49) Acenaphthene               | 14.60 | 153  | 275614   | 9.54  | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.65 | 184  | 27396    | 6.30  | ng/ul# | 75       |
| 52) 4-Nitrophenol              | 14.74 | 109  | 64734    | 9.03  | ng/ul# | 62       |
| 53) Dibenzofuran               | 14.94 | 168  | 413999   | 9.65  | ng/ul  | 94       |
| 54) 2,4-Dinitrotoluene         | 14.90 | 165  | 83868    | 8.97  | ng/ul# | 73       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.16 | 232  | 86459    | 9.30  | ng/ul# | 96       |
| 56) Diethylphthalate           | 15.35 | 149  | 321259   | 9.27  | ng/ul  | 98       |
| 58) Fluorene                   | 15.59 | 166  | 337476   | 9.60  | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.58 | 204  | 181842   | 9.61  | ng/ul# | 95       |
| 60) 4-Nitroaniline             | 15.61 | 138  | 58174    | 8.21  | ng/ul# | 42       |
| 63) 4,6-Dinitro-2-methylphenol | 15.66 | 198  | 49556    | 7.61  | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 15.79 | 169  | 283770   | 9.83  | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.47 | 248  | 110876   | 9.76  | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.59 | 284  | 123853   | 9.67  | ng/ul  | 91       |
| 67) Atrazine                   | 16.74 | 200  | 106057   | 9.26  | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.93 | 266  | 65818    | 8.59  | ng/ul# | 84       |
| 69) Phenanthrene               | 17.33 | 178  | 531895   | 9.64  | ng/ul  | 97       |
| 71) Anthracene                 | 17.42 | 178  | 549026   | 9.74  | ng/ul  | 97       |
| 72) Carbazole                  | 17.69 | 167  | 463348   | 9.23  | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.24 | 149  | 527747   | 9.39  | ng/ul  | 97       |
| 74) Fluoranthene               | 19.34 | 202  | 639170   | 9.51  | ng/ul# | 95       |
| 77) Pyrene                     | 19.70 | 202  | 672827   | 9.89  | ng/ul# | 91       |
| 78) Butylbenzylphthalate       | 20.59 | 149  | 230765   | 9.61  | ng/ul  | 91       |
| 79) 3,3'-Dichlorobenzidine     | 21.37 | 252  | 226576   | 9.66  | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.44 | 228  | 682954   | 9.74  | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 320710   | 9.09  | ng/ul  | 95       |
| 82) Chrysene                   | 21.49 | 228  | 642613   | 9.55  | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.26 | 149  | 548321   | 8.51  | ng/ul# | 90       |
| 85) Benzo(b)fluoranthene       | 23.09 | 252  | 666310   | 9.53  | ng/ul# | 99       |
| 86) Benzo(k)fluoranthene       | 23.13 | 252  | 637433   | 9.59  | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.70 | 252  | 627368   | 9.45  | ng/ul# | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.20 | 276  | 709681   | 9.70  | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 26.21 | 278  | 608575   | 9.66  | ng/ul# | 94       |
| 91) Benzo(g,h,i)perylene       | 26.93 | 276  | 585148   | 9.52  | ng/ul# | 93       |

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

