

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032317\  
 Data File : BM009339.D  
 Acq On : 23 Mar 2017 12:27  
 Operator : SJ/MA  
 Sample : SSTD01052  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01052

Quant Time: Mar 23 14:33:34 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 23 14:28:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 146737   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 576433   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 398465   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 804854   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.42 | 240  | 1059269  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.75 | 264  | 1014633  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 15270  | 4.58  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.02  | 99  | 122204 | 7.70  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.04  | 67  | 6023   | 0.58  | ng/ul | -0.15 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 82146  | 8.47  | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 89162  | 7.04  | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 42168  | 10.24 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.75  | 143 | 41776  | 9.14  | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 86397  | 8.85  | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 104332 | 8.96  | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 256595 | 8.48  | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 325214 | 9.34  | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 42751  | 7.12  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.49 | 176 | 240130 | 8.89  | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 38904  | 8.08  | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.34 | 188 | 365931 | 9.61  | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.64 | 212 | 422628 | 9.89  | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.60 | 264 | 446383 | 9.62  | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.37  | 88  | 17682  | 5.00  | ng/uL# | 68     |
| 4) Benzaldehyde                | 7.00  | 77  | 101728 | 9.56  | ng/ul# | 79     |
| 6) Phenol                      | 7.04  | 94  | 134533 | 7.94  | ng/ul# | 81     |
| 8) Bis(2-Chloroethyl)ether     | 7.28  | 93  | 103185 | 8.50  | ng/ul# | 82     |
| 10) 2-Chlorophenol             | 7.42  | 128 | 91822  | 9.18  | ng/ul# | 78     |
| 11) 2-Methylphenol             | 8.29  | 108 | 87035  | 7.09  | ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 171153 | 8.46  | ng/ul# | 86     |
| 14) Acetophenone               | 8.68  | 105 | 154446 | 7.26  | ng/ul# | 71     |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 89090  | 6.83  | ng/ul# | 80     |
| 16) 4-Methylphenol             | 8.62  | 108 | 97706  | 7.02  | ng/ul  | 83     |
| 17) Hexachloroethane           | 8.93  | 117 | 43296  | 9.88  | ng/ul  | 91     |
| 20) Nitrobenzene               | 9.06  | 77  | 135158 | 9.85  | ng/ul# | 79     |
| 21) Isophorone                 | 9.58  | 82  | 220749 | 8.13  | ng/ul# | 89     |
| 23) 2-Nitrophenol              | 9.77  | 139 | 44735  | 8.99  | ng/ul# | 56     |
| 24) 2,4-Dimethylphenol         | 9.82  | 107 | 115128 | 9.02  | ng/ul  | 90     |
| 25) Bis(2-Chloroethoxy)methane | 10.06 | 93  | 132370 | 8.89  | ng/ul  | 95     |
| 27) 2,4-Dichlorophenol         | 10.30 | 162 | 85488  | 8.85  | ng/ul  | 93     |
| 28) Naphthalene                | 10.70 | 128 | 282942 | 9.57  | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.82 | 127 | 107967 | 8.75  | ng/ul  | 93     |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 69188  | 10.39 | ng/ul  | 97     |
| 32) Caprolactam                | 11.59 | 113 | 23331  | 5.78  | ng/ul# | 27     |
| 33) 4-Chloro-3-methylphenol    | 11.93 | 107 | 94553  | 7.46  | ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.32 | 142 | 206211 | 8.76  | ng/ul  | 96     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.68 | 216  | 120542   | 10.06 | ng/ul  | 94       |
| 37) Hexachlorocyclopentadiene  | 12.65 | 237  | 70269    | 10.37 | ng/ul  | 94       |
| 38) 2,4,6-Trichlorophenol      | 13.00 | 196  | 76542    | 10.07 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.00 | 196  | 76542    | 8.79  | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.33 | 154  | 272723   | 9.77  | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.37 | 162  | 208684   | 9.66  | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 72729    | 8.20  | ng/ul# | 71       |
| 44) Dimethylphthalate          | 13.95 | 163  | 261246   | 8.61  | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.08 | 165  | 46056    | 7.89  | ng/ul# | 70       |
| 47) Acenaphthylene             | 14.22 | 152  | 318304   | 9.14  | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.41 | 138  | 49682    | 7.99  | ng/ul# | 70       |
| 49) Acenaphthene               | 14.56 | 153  | 231362   | 9.44  | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.62 | 184  | 25939    | 6.78  | ng/ul# | 82       |
| 52) 4-Nitrophenol              | 14.70 | 109  | 51306    | 7.31  | ng/ul# | 76       |
| 53) Dibenzofuran               | 14.90 | 168  | 330437   | 9.15  | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 70060    | 7.79  | ng/ul# | 58       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 66982    | 8.02  | ng/ul# | 80       |
| 56) Diethylphthalate           | 15.32 | 149  | 263189   | 8.28  | ng/ul  | 97       |
| 58) Fluorene                   | 15.55 | 166  | 266569   | 8.55  | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.55 | 204  | 148375   | 9.26  | ng/ul# | 83       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 54070    | 7.66  | ng/ul# | 74       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 45113    | 8.92  | ng/ul# | 88       |
| 64) N-Nitrosodiphenylamine     | 15.76 | 169  | 240055   | 10.61 | ng/ul  | 95       |
| 65) 4-Bromophenyl-phenylether  | 16.44 | 248  | 83821    | 9.64  | ng/ul  | 86       |
| 66) Hexachlorobenzene          | 16.55 | 284  | 101713   | 10.52 | ng/ul  | 96       |
| 67) Atrazine                   | 16.70 | 200  | 80944    | 8.56  | ng/ul  | 90       |
| 68) Pentachlorophenol          | 16.90 | 266  | 47390    | 7.46  | ng/ul  | 99       |
| 69) Phenanthrene               | 17.29 | 178  | 437150   | 9.76  | ng/ul  | 97       |
| 71) Anthracene                 | 17.38 | 178  | 455981   | 9.98  | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.30 | 216  | 111534   | 11.80 | ng/uL  | 95       |
| 73) Pentachlorobenzene         | 14.82 | 250  | 115365   | 11.36 | ng/uL  | 96       |
| 74) Carbazole                  | 17.66 | 167  | 386840   | 9.07  | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.20 | 149  | 409471   | 8.33  | ng/ul# | 97       |
| 76) Fluoranthene               | 19.30 | 202  | 511641   | 9.06  | ng/ul  | 97       |
| 79) Pvrene                     | 19.67 | 202  | 554303   | 10.07 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.56 | 149  | 187944   | 8.50  | ng/ul# | 80       |
| 81) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 194473   | 9.69  | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.41 | 228  | 572463   | 9.45  | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 276705   | 8.04  | ng/ul# | 98       |
| 84) Chrysene                   | 21.46 | 228  | 552889   | 9.68  | ng/ul  | 97       |
| 86) Di-n-octyl phthalate       | 22.22 | 149  | 495331   | 9.08  | ng/ul# | 83       |
| 87) Benzo(b)fluoranthene       | 23.04 | 252  | 597016   | 9.96  | ng/ul# | 97       |
| 88) Benzo(k)fluoranthene       | 23.09 | 252  | 547530   | 9.55  | ng/ul# | 94       |
| 90) Benzo(a)pyrene             | 23.65 | 252  | 553711   | 9.50  | ng/ul# | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.11 | 276  | 630835   | 9.02  | ng/ul# | 93       |
| 92) Dibenzo(a,h)anthracene     | 26.13 | 278  | 535159   | 9.05  | ng/ul# | 94       |
| 93) Benzo(g,h,i)perylene       | 26.85 | 276  | 531439   | 9.18  | ng/ul# | 92       |

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

