

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041717\  
 Data File : BM009652.D  
 Acq On : 17 Apr 2017 17:42  
 Operator : SJ/MA  
 Sample : SSTD16006  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16006

Quant Time: Apr 17 18:12:34 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM041717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 17 17:20:36 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 105824   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 424432   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.48 | 164  | 242900   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.23 | 188  | 547650   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 712286   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.74 | 264  | 640877   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 166469  | 144.81 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 1642923 | 173.04 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 1130709 | 168.48 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 1178910 | 175.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 1216987 | 173.00 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 554424  | 169.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 631782  | 183.12 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 1157667 | 169.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.78 | 131 | 657477  | 95.46  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 3280366 | 167.45 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.18 | 160 | 4253601 | 171.54 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 602668  | 170.56 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.48 | 176 | 2844672 | 168.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 624731  | 177.84 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.34 | 188 | 4556692 | 171.77 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.63 | 212 | 5159261 | 168.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.60 | 264 | 5037492 | 173.80 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88  | 184375  | 136.55 | ng/uL# | 68     |
| 4) Benzaldehyde                | 6.99  | 77  | 767809  | 147.65 | ng/ul# | 79     |
| 6) Phenol                      | 7.03  | 94  | 1762263 | 171.00 | ng/ul# | 64     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 1326720 | 167.40 | ng/ul# | 82     |
| 10) 2-Chlorophenol             | 7.40  | 128 | 1215736 | 173.54 | ng/ul# | 74     |
| 11) 2-Methylphenol             | 8.27  | 108 | 1242401 | 172.62 | ng/ul  | 95     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37  | 45  | 2151298 | 166.43 | ng/ul  | 96     |
| 14) Acetophenone               | 8.67  | 105 | 2061002 | 170.75 | ng/ul# | 71     |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 1275425 | 177.13 | ng/ul# | 85     |
| 16) 4-Methylphenol             | 8.62  | 108 | 1326431 | 168.41 | ng/ul  | 96     |
| 17) Hexachloroethane           | 8.90  | 117 | 571946  | 168.75 | ng/ul  | 93     |
| 20) Nitrobenzene               | 9.05  | 77  | 1766164 | 163.66 | ng/ul# | 87     |
| 21) Isophorone                 | 9.58  | 82  | 3047476 | 172.78 | ng/ul# | 95     |
| 23) 2-Nitrophenol              | 9.76  | 139 | 680093  | 176.07 | ng/ul# | 51     |
| 24) 2,4-Dimethylphenol         | 9.81  | 107 | 1538222 | 169.17 | ng/ul# | 85     |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93  | 1784185 | 168.14 | ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.29 | 162 | 1163550 | 169.24 | ng/ul# | 92     |
| 28) Naphthalene                | 10.69 | 128 | 3629193 | 163.84 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.80 | 127 | 716672  | 99.63  | ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 10.95 | 225 | 831400  | 162.08 | ng/ul  | 99     |
| 32) Caprolactam                | 11.62 | 113 | 213489  | 95.07  | ng/ul# | 77     |
| 33) 4-Chloro-3-methylphenol    | 11.93 | 107 | 1312545 | 169.68 | ng/ul# | 91     |
| 34) 2-Methylnaphthalene        | 12.30 | 142 | 2667275 | 170.30 | ng/ul  | 99     |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216  | 1481100  | 165.78 | ng/ul# | 94       |
| 37) Hexachlorocyclopentadiene  | 12.63 | 237  | 900145   | 183.97 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.91 | 196  | 979439   | 171.38 | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 12.99 | 196  | 1012370  | 175.25 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.32 | 154  | 3401622  | 167.03 | ng/ul  | 94       |
| 41) 2-Chloronaphthalene        | 13.36 | 162  | 2644861  | 164.46 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.58 | 65   | 1094640  | 177.95 | ng/ul# | 75       |
| 44) Dimethylphthalate          | 13.94 | 163  | 3270668  | 166.02 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.07 | 165  | 708245   | 180.05 | ng/ul# | 72       |
| 47) Acenaphthylene             | 14.21 | 152  | 4198848  | 168.73 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.41 | 138  | 594316   | 153.46 | ng/ul# | 78       |
| 49) Acenaphthene               | 14.55 | 153  | 2818183  | 168.35 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.62 | 184  | 465752   | 189.77 | ng/ul# | 70       |
| 52) 4-Nitrophenol              | 14.72 | 109  | 694306   | 169.79 | ng/ul# | 66       |
| 53) Dibenzofuran               | 14.89 | 168  | 4013838  | 166.60 | ng/ul  | 91       |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 1028738  | 176.58 | ng/ul# | 68       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.11 | 232  | 933879   | 175.90 | ng/ul# | 97       |
| 56) Diethylphthalate           | 15.31 | 149  | 3420213  | 169.82 | ng/ul  | 98       |
| 58) Fluorene                   | 15.54 | 166  | 3434166  | 171.83 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.53 | 204  | 1753606  | 168.83 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 15.59 | 138  | 710957   | 166.39 | ng/ul# | 33       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 665721   | 180.49 | ng/ul# | 84       |
| 64) N-Nitrosodiphenylamine     | 15.74 | 169  | 2855471  | 170.58 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.42 | 248  | 1082801  | 171.94 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 16.54 | 284  | 1145786  | 165.80 | ng/ul  | 90       |
| 67) Atrazine                   | 16.70 | 200  | 956801   | 146.60 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.89 | 266  | 760936   | 178.30 | ng/ul# | 86       |
| 69) Phenanthrene               | 17.28 | 178  | 5208610  | 169.48 | ng/ul  | 97       |
| 71) Anthracene                 | 17.37 | 178  | 5489555  | 171.60 | ng/ul  | 97       |
| 72) Carbazole                  | 17.64 | 167  | 4689586  | 166.15 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.19 | 149  | 6121456  | 180.05 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.30 | 202  | 6452615  | 168.70 | ng/ul# | 93       |
| 77) Pyrene                     | 19.66 | 202  | 6747957  | 166.78 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 20.54 | 149  | 2932296  | 175.57 | ng/ul  | 88       |
| 79) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 2262744  | 156.03 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 6840556  | 164.02 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 4399615  | 178.13 | ng/ul  | 97       |
| 82) Chrysene                   | 21.46 | 228  | 6152729  | 163.72 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.21 | 149  | 7457270  | 174.59 | ng/ul# | 90       |
| 85) Benzo(b)fluoranthene       | 23.04 | 252  | 7112642  | 180.35 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 23.09 | 252  | 6349140  | 169.01 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.65 | 252  | 6665949  | 175.40 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.14 | 276  | 7659331  | 172.45 | ng/ul# | 88       |
| 90) Dibenzo(a,h)anthracene     | 26.14 | 278  | 6555788  | 174.59 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 26.86 | 276  | 6174361  | 170.10 | ng/ul# | 92       |

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

