

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\  
 Data File : BG018274.D  
 Acq On : 5 Aug 2015 17:21  
 Operator : UM/TP  
 Sample : SSTD04062  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD04062

Quant Time: Aug 06 01:57:05 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 01:36:46 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 40147    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 179074   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 127728   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.88 | 188  | 311405m  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.09 | 240  | 271633   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.25 | 264  | 164571   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.90  | 96  | 7158   | 13.99 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 124623 | 35.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 60404  | 34.15 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 103488 | 38.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.18  | 113 | 105216 | 36.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.59  | 128 | 54872  | 39.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 65717  | 40.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.86  | 165 | 119026 | 42.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.37 | 131 | 149842 | 42.03 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.54 | 166 | 384510 | 39.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.81 | 160 | 447976 | 39.46 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.38 | 143 | 63159  | 35.81 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.12 | 176 | 342615 | 38.46 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200 | 86851m | 40.13 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.98 | 188 | 542652 | 40.51 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.29 | 212 | 565855 | 42.57 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.11 | 264 | 347461 | 41.99 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 2.93  | 88  | 8220   | 14.36 | ng/uL# 79 |
| 4) Benzaldehyde                | 6.58  | 77  | 67310  | 36.14 | ng/ul 95  |
| 6) Phenol                      | 6.67  | 94  | 118968 | 33.38 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.87  | 93  | 88630  | 34.50 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.01  | 128 | 99776  | 38.24 | ng/ul 95  |
| 11) 2-Methylphenol             | 7.91  | 108 | 99556  | 35.38 | ng/ul 94  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.98  | 45  | 68445  | 30.96 | ng/ul 93  |
| 14) Acetophenone               | 8.26  | 105 | 162568 | 36.18 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 8.25  | 70  | 86963  | 34.69 | ng/ul# 95 |
| 16) 4-Methylphenol             | 8.24  | 108 | 109912 | 35.38 | ng/ul 94  |
| 17) Hexachloroethane           | 8.49  | 117 | 45953  | 37.72 | ng/ul 98  |
| 20) Nitrobenzene               | 8.63  | 77  | 123333 | 37.31 | ng/ul 98  |
| 21) Isophorone                 | 9.16  | 82  | 246930 | 36.48 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.35  | 139 | 68914  | 41.85 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.43  | 107 | 145214 | 41.14 | ng/ul 92  |
| 25) Bis(2-Chloroethoxy)methane | 9.65  | 93  | 124152 | 35.38 | ng/ul# 98 |
| 27) 2,4-Dichlorophenol         | 9.89  | 162 | 112850 | 41.01 | ng/ul 90  |
| 28) Naphthalene                | 10.27 | 128 | 329123 | 38.83 | ng/ul 96  |
| 30) 4-Chloroaniline            | 10.39 | 127 | 155912 | 43.83 | ng/ul 94  |
| 31) Hexachlorobutadiene        | 10.55 | 225 | 82879  | 42.32 | ng/ul 98  |
| 32) Caprolactam                | 11.16 | 113 | 51347m | 41.89 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.55 | 107 | 141196 | 40.28 | ng/ul 93  |
| 34) 2-Methylnaphthalene        | 11.90 | 142 | 270176 | 40.10 | ng/ul 96  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.12 | 142  | 258316   | 39.84 | ng/ul  | 94       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.28 | 216  | 149967   | 41.63 | ng/ul  | 96       |
| 38) Hexachlorocyclopentadiene  | 12.25 | 237  | 69713    | 38.39 | ng/ul  | 92       |
| 39) 2,4,6-Trichlorophenol      | 12.54 | 196  | 97229    | 39.96 | ng/ul  | 93       |
| 40) 2,4,5-Trichlorophenol      | 12.62 | 196  | 106998   | 41.11 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 12.94 | 154  | 352522   | 39.04 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 12.98 | 162  | 276158   | 40.25 | ng/ul  | 96       |
| 43) 2-Nitroaniline             | 13.21 | 65   | 90133    | 38.40 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 13.59 | 163  | 381568   | 39.07 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 13.72 | 165  | 88541    | 39.66 | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.84 | 152  | 451194   | 39.96 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.05 | 138  | 80965    | 40.86 | ng/ul# | 97       |
| 50) Acenaphthene               | 14.18 | 153  | 291249   | 39.79 | ng/ul  | 95       |
| 51) 2,4-Dinitrophenol          | 14.26 | 184  | 49161    | 37.15 | ng/ul# | 85       |
| 53) 4-Nitrophenol              | 14.40 | 109  | 69129    | 38.01 | ng/ul  | 98       |
| 54) Dibenzofuran               | 14.52 | 168  | 437322   | 39.46 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene         | 14.52 | 165  | 132110   | 40.43 | ng/ul  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.77 | 232  | 98313    | 38.95 | ng/ul  | 97       |
| 57) Diethylphthalate           | 14.97 | 149  | 405221   | 39.91 | ng/ul  | 98       |
| 59) Fluorene                   | 15.18 | 166  | 375889   | 39.34 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.17 | 204  | 207021   | 39.98 | ng/ul  | 99       |
| 61) 4-Nitroaniline             | 15.22 | 138  | 83673    | 38.24 | ng/ul  | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.29 | 198  | 86294    | 38.32 | ng/ul  | 99       |
| 65) N-Nitrosodiphenylamine     | 15.40 | 169  | 324995   | 40.74 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.07 | 248  | 137556   | 41.64 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.19 | 284  | 164855   | 41.27 | ng/ul  | 98       |
| 68) Atrazine                   | 16.37 | 200  | 150108   | 42.30 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.54 | 266  | 62564m   | 30.41 | ng/ul  |          |
| 70) Phenanthrene               | 16.92 | 178  | 619193m  | 39.66 | ng/ul  |          |
| 72) Anthracene                 | 17.01 | 178  | 614811   | 39.63 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.91 | 216  | 147895   | 42.21 | ng/uL  | 88       |
| 74) Pentachlorobenzene         | 14.45 | 250  | 169039   | 43.02 | ng/uL  | 94       |
| 75) Carbazole                  | 17.29 | 167  | 533928   | 41.41 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 17.86 | 149  | 708765   | 40.73 | ng/ul  | 98       |
| 77) Fluoranthene               | 18.95 | 202  | 701413   | 40.94 | ng/ul  | 99       |
| 80) Pvrene                     | 19.32 | 202  | 695015   | 41.73 | ng/ul# | 98       |
| 81) Butylbenzylphthalate       | 20.23 | 149  | 279061   | 41.37 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 240797   | 42.07 | ng/ul# | 98       |
| 83) Benzo(a)anthracene         | 21.07 | 228  | 563814   | 38.82 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.01 | 149  | 357555   | 39.98 | ng/ul  | 98       |
| 85) Chrysene                   | 21.13 | 228  | 514542   | 38.87 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.87 | 149  | 462094   | 51.14 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.61 | 252  | 440219   | 44.60 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 22.65 | 252  | 410671   | 44.99 | ng/ul  | 96       |
| 91) Benzo(a)pyrene             | 23.16 | 252  | 350599   | 40.02 | ng/ul# | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.43 | 276  | 428114   | 41.40 | ng/ul  | 94       |
| 93) Dibenzo(a,h)anthracene     | 25.44 | 278  | 383178   | 42.90 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.10 | 276  | 348234   | 41.24 | ng/ul  | 95       |

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

