

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042817\  
 Data File : BG026758.D  
 Acq On : 28 Apr 2017 22:18  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02062

Manual Integrations  
 APPROVED

mohammad  
 5/1/2017 7:23:38 PM

Quant Time: Apr 29 01:24:32 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 29 00:39:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 178363   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.81 | 136  | 884611   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.62 | 164  | 515123   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.35 | 188  | 1009261  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.60 | 240  | 909719   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.76 | 264  | 943222   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 31680   | 8.00  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.19  | 99  | 346309  | 21.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 192804  | 20.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.55  | 132 | 280094  | 20.73 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.73  | 113 | 288853  | 21.86 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 148293  | 20.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 166344  | 20.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.44 | 165 | 270776  | 21.19 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 392027  | 22.92 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.02 | 166 | 810407  | 19.55 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.32 | 160 | 1045186 | 20.07 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.84 | 143 | 150021  | 20.07 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.61 | 176 | 719068  | 19.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 123730  | 20.19 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.45 | 188 | 974661  | 19.90 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.73 | 212 | 925215  | 19.27 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.54 | 264 | 894326  | 20.05 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       | Ovalue    |
|--------------------------------|-------|-----|---------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.46  | 88  | 32421m  | 7.17  | ng/uL     |
| 4) Benzaldehyde                | 7.15  | 77  | 131771m | 17.13 | ng/ul     |
| 6) Phenol                      | 7.21  | 94  | 352692  | 21.86 | ng/ul# 73 |
| 8) Bis(2-Chloroethyl)ether     | 7.42  | 93  | 248881  | 19.98 | ng/ul 86  |
| 10) 2-Chlorophenol             | 7.58  | 128 | 271131  | 20.39 | ng/ul# 78 |
| 11) 2-Methylphenol             | 8.46  | 108 | 281220  | 22.02 | ng/ul 92  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 275128  | 21.17 | ng/ul# 88 |
| 14) Acetophenone               | 8.83  | 105 | 410704  | 21.16 | ng/ul# 72 |
| 15) N-Nitroso-di-n-propylamine | 8.81  | 70  | 192792  | 20.14 | ng/ul# 70 |
| 16) 4-Methylphenol             | 8.79  | 108 | 309651  | 22.17 | ng/ul 96  |
| 17) Hexachloroethane           | 9.09  | 117 | 99325   | 19.86 | ng/ul# 72 |
| 20) Nitrobenzene               | 9.21  | 77  | 284323  | 19.93 | ng/ul# 75 |
| 21) Isophorone                 | 9.73  | 82  | 547874  | 20.00 | ng/ul# 90 |
| 23) 2-Nitrophenol              | 9.92  | 139 | 173445  | 20.51 | ng/ul# 60 |
| 24) 2,4-Dimethylphenol         | 9.99  | 107 | 324446  | 21.05 | ng/ul# 80 |
| 25) Bis(2-Chloroethoxy)methane | 10.21 | 93  | 368079  | 19.67 | ng/ul# 93 |
| 27) 2,4-Dichlorophenol         | 10.47 | 162 | 270175  | 21.20 | ng/ul 94  |
| 28) Naphthalene                | 10.86 | 128 | 908407  | 19.73 | ng/ul 97  |
| 30) 4-Chloroaniline            | 10.97 | 127 | 366561  | 22.72 | ng/ul 95  |
| 31) Hexachlorobutadiene        | 11.14 | 225 | 122119  | 18.94 | ng/ul# 86 |
| 32) Caprolactam                | 11.71 | 113 | 105031  | 22.06 | ng/ul# 57 |
| 33) 4-Chloro-3-methylphenol    | 12.10 | 107 | 315036  | 22.80 | ng/ul# 81 |
| 34) 2-Methylnaphthalene        | 12.46 | 142 | 697922  | 20.42 | ng/ul 96  |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleID :  
 SSTD02062

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216  | 262727   | 19.34 | ng/ul# | 93       |
| 37) Hexachlorocyclopentadiene  | 12.81 | 237  | 117021   | 19.56 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 13.07 | 196  | 196953   | 21.08 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 13.15 | 196  | 209584   | 21.70 | ng/ul  | 94       |
| 40) 1,1'-Biphenyl              | 13.46 | 154  | 850459   | 19.64 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.50 | 162  | 632246   | 19.42 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.70 | 65   | 200764m  | 21.58 | ng/ul  |          |
| 44) Dimethylphthalate          | 14.07 | 163  | 786604   | 19.38 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.19 | 165  | 175154   | 20.45 | ng/ul# | 82       |
| 47) Acenaphthylene             | 14.35 | 152  | 1060313  | 19.99 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.53 | 138  | 191174   | 21.21 | ng/ul# | 72       |
| 49) Acenaphthene               | 14.69 | 153  | 715859   | 19.40 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.73 | 184  | 95745m   | 21.86 | ng/ul  |          |
| 52) 4-Nitrophenol              | 14.85 | 109  | 85786    | 19.57 | ng/ul# | 32       |
| 53) Dibenzofuran               | 15.01 | 168  | 975338   | 19.86 | ng/ul  | 94       |
| 54) 2,4-Dinitrotoluene         | 14.98 | 165  | 252160   | 20.57 | ng/ul# | 76       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 161839   | 21.33 | ng/ul# | 83       |
| 56) Diethylphthalate           | 15.43 | 149  | 839690   | 19.77 | ng/ul  | 100      |
| 58) Fluorene                   | 15.66 | 166  | 794548   | 19.82 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.65 | 204  | 339743   | 19.44 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.68 | 138  | 172722   | 17.38 | ng/ul# | 49       |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 198  | 128154   | 20.08 | ng/ul# | 95       |
| 64) N-Nitrosodiphenylamine     | 15.87 | 169  | 678695   | 20.46 | ng/ul  | 95       |
| 65) 4-Bromophenyl-phenylether  | 16.54 | 248  | 205865   | 20.44 | ng/ul# | 85       |
| 66) Hexachlorobenzene          | 16.67 | 284  | 214740   | 19.80 | ng/ul# | 89       |
| 67) Atrazine                   | 16.81 | 200  | 215034   | 20.74 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 17.02 | 266  | 104816   | 21.16 | ng/ul  | 93       |
| 69) Phenanthrene               | 17.40 | 178  | 1131784  | 19.91 | ng/ul  | 99       |
| 71) Anthracene                 | 17.49 | 178  | 1176973  | 20.18 | ng/ul  | 100      |
| 72) Carbazole                  | 17.76 | 167  | 1058748  | 21.47 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.31 | 149  | 1348331  | 21.01 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.40 | 202  | 1145597  | 21.70 | ng/ul# | 82       |
| 77) Pyrene                     | 19.76 | 202  | 1180889  | 19.35 | ng/ul# | 78       |
| 78) Butylbenzylphthalate       | 20.64 | 149  | 612736   | 21.61 | ng/ul# | 82       |
| 79) 3,3'-Dichlorobenzidine     | 21.50 | 252  | 374196   | 21.39 | ng/ul# | 93       |
| 80) Benzo(a)anthracene         | 21.58 | 228  | 1054846  | 19.83 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.48 | 149  | 883153   | 21.83 | ng/ul# | 98       |
| 82) Chrysene                   | 21.64 | 228  | 975726   | 19.74 | ng/ul  | 97       |
| 84) Di-n-octyl phthalate       | 22.66 | 149  | 1519649  | 23.44 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.76 | 252  | 1064460  | 19.75 | ng/ul# | 94       |
| 86) Benzo(k)fluoranthene       | 23.82 | 252  | 1059087  | 20.00 | ng/ul# | 93       |
| 88) Benzo(a)pyrene             | 24.62 | 252  | 1044453  | 19.69 | ng/ul# | 92       |
| 89) Indeno(1,2,3-cd)pyrene     | 28.36 | 276  | 1268113  | 20.17 | ng/ul# | 81       |
| 90) Dibenzo(a,h)anthracene     | 28.41 | 278  | 1063194  | 19.94 | ng/ul# | 87       |
| 91) Benzo(g,h,i)perylene       | 29.49 | 276  | 1045342  | 20.05 | ng/ul# | 80       |
| -----                          |       |      |          |       |        |          |

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

