

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG083115\  
 Data File : BG018554.D  
 Acq On : 31 Aug 2015 19:34  
 Operator : UM/IZ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02021

Manual Integrations  
 APPROVED

MMDadoda  
 9/1/2015 12:44:49 PM

Quant Time: Sep 01 01:07:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 01 00:57:18 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 91996    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.82 | 136  | 407777   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.64 | 164  | 275164   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.38 | 188  | 723971   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.65 | 240  | 777895   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.85 | 264  | 774488   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 15593  | 7.49  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.17  | 99  | 170948 | 20.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 99398  | 19.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 124330 | 19.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.71  | 113 | 145141 | 20.69 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 66942  | 21.06 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 70788  | 21.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.44 | 165 | 154027 | 22.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.95 | 131 | 187483 | 24.14 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.04 | 166 | 507141 | 21.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.33 | 160 | 588136 | 20.17 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.83 | 143 | 100146 | 24.05 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.63 | 176 | 420022 | 20.83 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 80662  | 22.65 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.48 | 188 | 704736 | 20.35 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.77 | 212 | 793388 | 19.66 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.63 | 264 | 842379 | 20.49 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 17880  | 8.02  | ng/uL# | 86     |
| 4) Benzaldehyde                | 7.15  | 77  | 110554 | 22.57 | ng/ul  | 99     |
| 6) Phenol                      | 7.19  | 94  | 173297 | 20.35 | ng/ul  | 92     |
| 8) Bis(2-Chloroethyl)ether     | 7.43  | 93  | 132465 | 20.22 | ng/ul  | 99     |
| 10) 2-Chlorophenol             | 7.57  | 128 | 130991 | 20.10 | ng/ul  | 93     |
| 11) 2-Methylphenol             | 8.45  | 108 | 135419 | 20.51 | ng/ul  | 94     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 167472 | 15.92 | ng/ul# | 95     |
| 14) Acetophenone               | 8.83  | 105 | 215310 | 21.25 | ng/ul# | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.81  | 70  | 116938 | 20.11 | ng/ul# | 86     |
| 16) 4-Methylphenol             | 8.78  | 108 | 150355 | 20.86 | ng/ul  | 90     |
| 17) Hexachloroethane           | 9.10  | 117 | 51586  | 18.37 | ng/ul# | 82     |
| 20) Nitrobenzene               | 9.21  | 77  | 157924 | 19.69 | ng/ul  | 96     |
| 21) Isophorone                 | 9.73  | 82  | 330278 | 21.41 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.92  | 139 | 76834  | 21.37 | ng/ul  | 89     |
| 24) 2,4-Dimethylphenol         | 9.98  | 107 | 158154 | 19.63 | ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.22 | 93  | 188110 | 19.56 | ng/ul  | 94     |
| 27) 2,4-Dichlorophenol         | 10.46 | 162 | 140339 | 21.80 | ng/ul  | 96     |
| 28) Naphthalene                | 10.87 | 128 | 442712 | 20.54 | ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.97 | 127 | 188202 | 23.83 | ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 11.15 | 225 | 79521  | 19.56 | ng/ul  | 99     |
| 32) Caprolactam                | 11.72 | 113 | 70956m | 27.37 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.09 | 107 | 169126 | 22.68 | ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.47 | 142 | 325526 | 20.86 | ng/ul  | 95     |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG083115\  
 Data File : BG018554.D  
 Acq On : 31 Aug 2015 19:34  
 Operator : UM/IZ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02021

Manual Integrations  
 APPROVED

MMDadoda  
 9/1/2015 12:44:49 PM

Quant Time: Sep 01 01:07:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 01 00:57:18 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.69 | 142  | 322157   | 21.14 | ng/ul# | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216  | 174651   | 19.80 | ng/ul  | 96       |
| 38) Hexachlorocyclopentadiene  | 12.82 | 237  | 89664    | 17.07 | ng/ul  | 92       |
| 39) 2,4,6-Trichlorophenol      | 13.07 | 196  | 126237   | 21.00 | ng/ul  | 97       |
| 40) 2,4,5-Trichlorophenol      | 13.15 | 196  | 141162   | 21.85 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.47 | 154  | 450328   | 19.61 | ng/ul  | 96       |
| 42) 2-Chloronaphthalene        | 13.51 | 162  | 341180   | 19.13 | ng/ul  | 97       |
| 43) 2-Nitroaniline             | 13.71 | 65   | 112395   | 19.52 | ng/ul# | 74       |
| 45) Dimethylphthalate          | 14.09 | 163  | 495070   | 21.68 | ng/ul# | 97       |
| 46) 2,6-Dinitrotoluene         | 14.21 | 165  | 101733   | 22.37 | ng/ul  | 92       |
| 48) Acenaphthylene             | 14.36 | 152  | 600559   | 20.54 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.54 | 138  | 118288   | 25.50 | ng/ul  | 87       |
| 50) Acenaphthene               | 14.71 | 153  | 411499   | 20.06 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.74 | 184  | 43475    | 19.60 | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 14.85 | 109  | 71039    | 19.62 | ng/ul  | 89       |
| 54) Dibenzofuran               | 15.04 | 168  | 566199   | 21.12 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 15.00 | 165  | 154358   | 23.78 | ng/ul  | 87       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.27 | 232  | 133032   | 23.63 | ng/ul  | 91       |
| 57) Diethylphthalate           | 15.45 | 149  | 530522   | 21.87 | ng/ul  | 97       |
| 59) Fluorene                   | 15.69 | 166  | 488871   | 21.20 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204  | 234200   | 21.46 | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 130769   | 25.52 | ng/ul  | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 85319    | 22.46 | ng/ul# | 90       |
| 65) N-Nitrosodiphenylamine     | 15.89 | 169  | 435716   | 20.01 | ng/ul  | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.57 | 248  | 156195   | 19.95 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 166574   | 20.12 | ng/ul  | 92       |
| 68) Atrazine                   | 16.83 | 200  | 195363   | 23.96 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 17.03 | 266  | 103701   | 18.70 | ng/ul  | 97       |
| 70) Phenanthrene               | 17.42 | 178  | 810756   | 20.64 | ng/ul  | 100      |
| 72) Anthracene                 | 17.52 | 178  | 832120   | 20.79 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.44 | 216  | 182321   | 18.20 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.96 | 250  | 179968   | 18.82 | ng/uL  | 89       |
| 75) Carbazole                  | 17.78 | 167  | 818731   | 23.33 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.34 | 149  | 955801   | 20.85 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.43 | 202  | 1014563  | 24.18 | ng/ul  | 99       |
| 80) Pyrene                     | 19.80 | 202  | 1030781  | 19.60 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.68 | 149  | 424192   | 19.06 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.54 | 252  | 319816   | 19.80 | ng/ul  | 96       |
| 83) Benzo(a)anthracene         | 21.62 | 228  | 956815   | 19.84 | ng/ul  | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149  | 614156   | 19.54 | ng/ul  | 100      |
| 85) Chrysene                   | 21.69 | 228  | 891646   | 19.77 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 22.74 | 149  | 1042091  | 20.85 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.83 | 252  | 968419   | 19.90 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 23.90 | 252  | 947770   | 20.23 | ng/ul  | 100      |
| 91) Benzo(a)pyrene             | 24.70 | 252  | 924226   | 19.98 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.50 | 276  | 1081475  | 20.20 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 28.56 | 278  | 881956   | 19.83 | ng/ul  | 96       |
| 94) Benzo(g,h,i)perylene       | 29.63 | 276  | 905308   | 20.14 | ng/ul  | 96       |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG083115\  
Data File : BG018554.D  
Acq On : 31 Aug 2015 19:34  
Operator : UM/IZ  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02021

Manual Integrations  
APPROVED

MMDadoda  
9/1/2015 12:44:49 PM

Quant Time: Sep 01 01:07:47 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 01 00:57:18 2015  
Response via : Initial Calibration

| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

