

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\  
 Data File : BG018845.D  
 Acq On : 23 Sep 2015 11:20  
 Operator : UM/NP  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02004

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2015 4:39:46 PM

Quant Time: Sep 24 02:57:25 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 23 07:13:57 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 81255    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.80 | 136  | 357620   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.63 | 164  | 233051   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.37 | 188  | 582010   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.63 | 240  | 576589   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.83 | 264  | 595896   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 12614  | 7.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.17  | 99  | 135009 | 20.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67  | 74698  | 19.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.53  | 132 | 109031 | 21.58 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.71  | 113 | 111223 | 20.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.16  | 128 | 55678  | 20.55 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.88  | 143 | 59063  | 21.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.43 | 165 | 122098 | 21.28 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 154600 | 23.16 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.03 | 166 | 358882 | 19.13 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.32 | 160 | 473083 | 21.29 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.84 | 143 | 68418  | 19.01 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.62 | 176 | 338751 | 20.66 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 40300  | 14.63 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.47 | 188 | 530075 | 20.69 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.75 | 212 | 548056 | 20.66 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.61 | 264 | 605670 | 20.88 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 12722  | 6.96 ng/uL#  | 70     |
| 4) Benzaldehyde                | 7.13  | 77  | 86916  | 22.52 ng/ul  | 94     |
| 6) Phenol                      | 7.19  | 94  | 140557 | 20.36 ng/ul# | 89     |
| 8) Bis(2-Chloroethyl)ether     | 7.41  | 93  | 105435 | 20.45 ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.57  | 128 | 110758 | 21.17 ng/ul# | 88     |
| 11) 2-Methylphenol             | 8.44  | 108 | 109062 | 20.55 ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.53  | 45  | 117733 | 19.24 ng/ul# | 90     |
| 14) Acetophenone               | 8.82  | 105 | 170341 | 20.66 ng/ul# | 89     |
| 15) N-Nitroso-di-n-propylamine | 8.80  | 70  | 78565  | 18.47 ng/ul# | 86     |
| 16) 4-Methylphenol             | 8.77  | 108 | 117749 | 20.18 ng/ul  | 89     |
| 17) Hexachloroethane           | 9.08  | 117 | 42055  | 20.17 ng/ul# | 77     |
| 20) Nitrobenzene               | 9.20  | 77  | 120343 | 19.16 ng/ul# | 87     |
| 21) Isophorone                 | 9.72  | 82  | 236416 | 18.47 ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.92  | 139 | 65828  | 21.44 ng/ul# | 81     |
| 24) 2,4-Dimethylphenol         | 9.98  | 107 | 122792 | 19.29 ng/ul  | 94     |
| 25) Bis(2-Chloroethoxy)methane | 10.21 | 93  | 147520 | 19.55 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.45 | 162 | 120412 | 20.97 ng/ul  | 96     |
| 28) Naphthalene                | 10.86 | 128 | 365275 | 20.07 ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.96 | 127 | 161010 | 23.32 ng/ul  | 100    |
| 31) Hexachlorobutadiene        | 11.14 | 225 | 75937  | 21.44 ng/ul  | 95     |
| 32) Caprolactam                | 11.72 | 113 | 41682m | 17.73 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.09 | 107 | 124620 | 20.36 ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.46 | 142 | 271117 | 20.17 ng/ul  | 92     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\  
 Data File : BG018845.D  
 Acq On : 23 Sep 2015 11:20  
 Operator : UM/NP  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02004

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2015 4:39:46 PM

Quant Time: Sep 24 02:57:25 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 23 07:13:57 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 35) 1-Methylnaphthalene        | 12.68 | 142  | 259169   | 20.12 | ng/ul# | 96       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216  | 151385   | 20.96 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.80 | 237  | 49830    | 12.40 | ng/ul  | 93       |
| 39) 2,4,6-Trichlorophenol      | 13.07 | 196  | 104338   | 22.24 | ng/ul  | 95       |
| 40) 2,4,5-Trichlorophenol      | 13.14 | 196  | 113833   | 22.53 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 13.46 | 154  | 360266   | 20.43 | ng/ul  | 96       |
| 42) 2-Chloronaphthalene        | 13.51 | 162  | 284401   | 21.15 | ng/ul  | 95       |
| 43) 2-Nitroaniline             | 13.71 | 65   | 76069    | 19.09 | ng/ul# | 73       |
| 45) Dimethylphthalate          | 14.08 | 163  | 356297   | 19.60 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 14.20 | 165  | 81386    | 22.26 | ng/ul# | 88       |
| 48) Acenaphthylene             | 14.35 | 152  | 479569   | 20.28 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.53 | 138  | 89241    | 22.99 | ng/ul# | 82       |
| 50) Acenaphthene               | 14.69 | 153  | 322801   | 20.27 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.74 | 184  | 20812    | 12.65 | ng/ul# | 72       |
| 53) 4-Nitrophenol              | 14.85 | 109  | 43221    | 17.52 | ng/ul  | 87       |
| 54) Dibenzofuran               | 15.03 | 168  | 454868   | 20.36 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene         | 14.99 | 165  | 116647   | 21.43 | ng/ul# | 84       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 102164   | 20.94 | ng/ul# | 91       |
| 57) Diethylphthalate           | 15.44 | 149  | 361095   | 19.11 | ng/ul  | 98       |
| 59) Fluorene                   | 15.68 | 166  | 372805   | 19.75 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.66 | 204  | 185561   | 20.62 | ng/ul  | 92       |
| 61) 4-Nitroaniline             | 15.69 | 138  | 92570    | 20.74 | ng/ul# | 83       |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 41554    | 14.70 | ng/ul# | 86       |
| 65) N-Nitrosodiphenylamine     | 15.88 | 169  | 317237   | 20.81 | ng/ul  | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 122623   | 21.50 | ng/ul  | 92       |
| 67) Hexachlorobenzene          | 16.68 | 284  | 140690   | 22.25 | ng/ul  | 95       |
| 68) Atrazine                   | 16.83 | 200  | 137867   | 20.53 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 17.03 | 266  | 72572    | 19.69 | ng/ul  | 92       |
| 70) Phenanthrene               | 17.41 | 178  | 598051   | 20.21 | ng/ul  | 99       |
| 72) Anthracene                 | 17.51 | 178  | 598703   | 20.18 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.43 | 216  | 150916   | 21.79 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.95 | 250  | 157744   | 23.32 | ng/uL  | 94       |
| 75) Carbazole                  | 17.77 | 167  | 546531   | 20.74 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.33 | 149  | 651797   | 19.58 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.42 | 202  | 682899   | 20.82 | ng/ul  | 96       |
| 80) Pvrene                     | 19.78 | 202  | 688374   | 20.30 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.66 | 149  | 287122   | 22.07 | ng/ul  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 265446   | 25.96 | ng/ul  | 96       |
| 83) Benzo(a)anthracene         | 21.62 | 228  | 673503   | 21.07 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149  | 426738   | 22.13 | ng/ul  | 98       |
| 85) Chrysene                   | 21.68 | 228  | 616208   | 20.90 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 22.71 | 149  | 724347   | 22.97 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.81 | 252  | 704438   | 20.91 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 23.88 | 252  | 646781   | 20.04 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 24.68 | 252  | 654652   | 20.44 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.47 | 276  | 781681   | 21.05 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 28.53 | 278  | 653173   | 21.92 | ng/ul  | 97       |
| 94) Benzo(a,h,i)perylene       | 29.60 | 276  | 652623m  | 21.05 | ng/ul  |          |
| -----                          |       |      |          |       |        |          |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\  
Data File : BG018845.D  
Acq On : 23 Sep 2015 11:20  
Operator : UM/NP  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02004

Manual Integrations  
APPROVED

MMDadoda  
9/24/2015 4:39:46 PM

Quant Time: Sep 24 02:57:25 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 23 07:13:57 2015  
Response via : Initial Calibration

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

