

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\  
 Data File : BG019422.D  
 Acq On : 29 Oct 2015 18:06  
 Operator : UM/NP  
 Sample : G3996-18DL 25X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7DL

Manual Integrations  
 APPROVED

Mmdadoda  
 10/30/2015 6:32:30 PM

Quant Time: Oct 30 06:17:18 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 04:25:10 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 40479    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.04 | 136  | 177556   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 136992   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.58 | 188  | 333492   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.87 | 240  | 405269   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.25 | 264  | 393909   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 1040   | 1.23 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.37  | 99  | 5128   | 1.38 | ng/ul | 0.01  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 3922   | 1.66 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 3887   | 1.68 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.92  | 113 | 4665   | 1.58 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 3109   | 2.38 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 2047   | 1.32 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.66 | 165 | 4863   | 1.45 | ng/ul | 0.01  |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 9856m  | 2.90 | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6       | 14.24 | 166 | 15034  | 1.33 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 18315  | 1.46 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.05 | 143 | 4231m  | 2.36 | ng/ul | 0.02  |
| 58) Fluorene-d10               | 15.82 | 176 | 20776  | 1.99 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 2644   | 1.22 | ng/ul | 0.01  |
| 71) Anthracene-d10             | 17.67 | 188 | 22940m | 1.51 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.95 | 212 | 22787  | 1.28 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 25.02 | 264 | 25382  | 1.28 | ng/ul | 0.00  |

## Target Compounds

|                         |       |     |         |        | Ovalue    |
|-------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol               | 7.39  | 94  | 192266  | 48.57  | ng/ul 100 |
| 11) 2-Methylphenol      | 8.66  | 108 | 273839  | 93.54  | ng/ul 99  |
| 14) Acetophenone        | 9.04  | 105 | 60829   | 12.24  | ng/ul 89  |
| 16) 4-Methylphenol      | 9.00  | 108 | 545583  | 170.66 | ng/ul 98  |
| 24) 2,4-Dimethylphenol  | 10.24 | 107 | 534850m | 116.38 | ng/ul     |
| 28) Naphthalene         | 11.09 | 128 | 323889  | 36.46  | ng/ul 97  |
| 34) 2-Methylnaphthalene | 12.68 | 142 | 165344  | 23.16  | ng/ul 96  |
| 35) 1-Methylnaphthalene | 12.90 | 142 | 103904  | 15.38  | ng/ul# 96 |
| 41) 1,1'-Biphenyl       | 13.67 | 154 | 54977   | 5.68   | ng/ul# 87 |
| 48) Acenaphthylene      | 14.56 | 152 | 20450   | 1.60   | ng/ul# 77 |
| 50) Acenaphthene        | 14.90 | 153 | 15750   | 1.82   | ng/ul# 88 |
| 54) Dibenzofuran        | 15.23 | 168 | 79318   | 6.22   | ng/ul 89  |
| 59) Fluorene            | 15.88 | 166 | 57555   | 5.18   | ng/ul# 84 |
| 70) Phenanthrene        | 17.62 | 178 | 113302  | 6.73   | ng/ul# 91 |
| 72) Anthracene          | 17.71 | 178 | 23731   | 1.38   | ng/ul# 77 |
| 77) Fluoranthene        | 19.62 | 202 | 34245   | 1.57   | ng/ul# 97 |
| 80) Pyrene              | 19.98 | 202 | 37346   | 1.64   | ng/ul# 91 |

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

