

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\  
 Data File : BG020537.D  
 Acq On : 26 Dec 2015 12:52  
 Operator : UM/SJ  
 Sample : G4802-16  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 G9D91

Manual Integrations  
 APPROVED

Sohil  
 12/28/2015 6:07:01 PM

Quant Time: Dec 28 06:54:43 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 28 06:13:05 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 23721    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.90 | 136  | 100480   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.71 | 164  | 68800    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.46 | 188  | 164652   | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.74 | 240  | 209126   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 25.02 | 264  | 210049   | 20.00 | ng/ul | 0.03     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.45  | 96  | 1092   | 2.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.24  | 99  | 30066  | 15.80 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.39  | 67  | 18499  | 16.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 24761  | 16.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.78  | 113 | 25971  | 16.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.25  | 128 | 13034  | 16.55 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.97  | 143 | 15161  | 16.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.51 | 165 | 28451  | 16.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.03 | 131 | 18917  | 9.55  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.11 | 166 | 92839  | 16.37 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.41 | 160 | 111379 | 16.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.91 | 143 | 9149   | 9.68  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.70 | 176 | 89149  | 17.38 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 10369  | 9.50  | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.56 | 188 | 139518 | 18.09 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.84 | 212 | 165312 | 18.26 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.80 | 264 | 191586 | 18.04 | ng/ul | 0.04 |

## Target Compounds

|                            |       |     |         |        |        | Ovalue |
|----------------------------|-------|-----|---------|--------|--------|--------|
| 28) Naphthalene            | 10.94 | 128 | 8132    | 1.52   | ng/ul# | 94     |
| 45) Dimethylphthalate      | 14.16 | 163 | 31769   | 5.51   | ng/ul  | 99     |
| 48) Acenaphthylene         | 14.44 | 152 | 71847   | 10.40  | ng/ul# | 93     |
| 50) Acenaphthene           | 14.78 | 153 | 31608   | 6.77   | ng/ul  | 96     |
| 54) Dibenzofuran           | 15.11 | 168 | 8252    | 1.19   | ng/ul# | 77     |
| 59) Fluorene               | 15.76 | 166 | 139341  | 24.75  | ng/ul  | 99     |
| 70) Phenanthrene           | 17.51 | 178 | 961233  | 104.92 | ng/ul  | 96     |
| 72) Anthracene             | 17.59 | 178 | 197265  | 21.06  | ng/ul  | 98     |
| 77) Fluoranthene           | 19.51 | 202 | 888563  | 77.13  | ng/ul  | 99     |
| 80) Pyrene                 | 19.88 | 202 | 1286844 | 108.81 | ng/ul  | 97     |
| 83) Benzo(a)anthracene     | 21.72 | 228 | 472957m | 38.51  | ng/ul  |        |
| 85) Chrysene               | 21.79 | 228 | 582817  | 49.82  | ng/ul  | 95     |
| 88) Benzo(b)fluoranthene   | 23.99 | 252 | 596311  | 47.30  | ng/ul  | 96     |
| 89) Benzo(k)fluoranthene   | 24.04 | 252 | 176598m | 14.49  | ng/ul  |        |
| 91) Benzo(a)pyrene         | 24.87 | 252 | 495337  | 40.88  | ng/ul  | 98     |
| 92) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 284129  | 19.58  | ng/ul  | 95     |
| 93) Dibenzo(a,h)anthracene | 28.80 | 278 | 85766   | 7.12   | ng/ul  | 96     |
| 94) Benzo(g,h,i)perylene   | 29.94 | 276 | 265396  | 22.26  | ng/ul  | 99     |

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

