

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080515\  
 Data File : BG018289.D  
 Acq On : 6 Aug 2015 2:06  
 Operator : UM/TP  
 Sample : G3109-15RE  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01W3RE

Manual Integrations  
 APPROVED

apatel  
 8/10/2015 9:24:48 AM

Quant Time: Aug 14 03:14:45 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 34303    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 165483   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 100026   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 147732   | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.11 | 240  | 138669   | 20.00 | ng/ul | 0.03     |
| 86) Perylene-d12          | 23.28 | 264  | 130799   | 20.00 | ng/ul | 0.04     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.90  | 96  | 1516    | 3.81  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 68223   | 25.29 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 38032   | 29.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 61528   | 27.39 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.18  | 113 | 37668   | 16.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 32639   | 25.47 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 39784   | 26.84 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.86  | 165 | 59851   | 21.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.38 | 131 | 6124    | 1.88  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.54 | 166 | 197813  | 25.57 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.81 | 160 | 209997  | 23.94 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.39 | 143 | 17506   | 13.72 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.12 | 176 | 146928  | 21.14 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.28 | 200 | 11070   | 10.82 | ng/ul | 0.02 |
| 71) Anthracene-d10             | 16.99 | 188 | 155414  | 23.92 | ng/ul | 0.01 |
| 79) Pyrene-d10                 | 19.31 | 212 | 112318  | 14.47 | ng/ul | 0.03 |
| 90) Benzo(a)pyrene-d12         | 23.15 | 264 | 163786m | 24.07 | ng/ul | 0.04 |

## Target Compounds

|                                |       |     |          |               | Qvalue |
|--------------------------------|-------|-----|----------|---------------|--------|
| 16) 4-Methylphenol             | 8.24  | 108 | 4097     | 1.67 ng/ul    | 92     |
| 28) Naphthalene                | 10.27 | 128 | 103190   | 13.27 ng/ul   | 96     |
| 34) 2-Methylnaphthalene        | 11.90 | 142 | 53068    | 8.50 ng/ul    | 86     |
| 41) 1,1'-Biphenyl              | 12.94 | 154 | 26067    | 3.78 ng/ul#   | 93     |
| 45) Dimethylphthalate          | 13.58 | 163 | 78258    | 10.14 ng/ul   | 99     |
| 48) Acenaphthylene             | 13.85 | 152 | 28192    | 3.12 ng/ul#   | 94     |
| 50) Acenaphthene               | 14.19 | 153 | 192165   | 32.87 ng/ul   | 99     |
| 54) Dibenzofuran               | 14.52 | 168 | 155772   | 18.10 ng/ul   | 94     |
| 59) Fluorene                   | 15.18 | 166 | 275257   | 36.43 ng/ul   | 98     |
| 70) Phenanthrene               | 16.94 | 178 | 2299644m | 308.45 ng/ul  |        |
| 72) Anthracene                 | 17.02 | 178 | 549415   | 73.84 ng/ul   | 98     |
| 75) Carbazole                  | 17.30 | 167 | 78084    | 12.44 ng/ul   | 95     |
| 76) Di-n-butylphthalate        | 17.87 | 149 | 69180    | 7.86 ng/ul#   | 93     |
| 77) Fluoranthene               | 18.98 | 202 | 1792654  | 216.78 ng/ul  | 99     |
| 80) Pyrene                     | 19.35 | 202 | 1685832  | 174.84 ng/ul  | 99     |
| 83) Benzo(a)anthracene         | 21.09 | 228 | 865209   | 118.21 ng/ul  | 98     |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 92495m   | 20.55 ng/ul   |        |
| 85) Chrysene                   | 21.15 | 228 | 747262   | 113.63 ng/ul  | 95     |
| 88) Benzo(b)fluoranthene       | 22.64 | 252 | 1015627  | 126.61 ng/ul# | 95     |
| 89) Benzo(k)fluoranthene       | 22.67 | 252 | 288812m  | 37.54 ng/ul   |        |
| 91) Benzo(a)pyrene             | 23.20 | 252 | 700252   | 99.98 ng/ul#  | 99     |
| 92) Indeno(1,2,3-cd)pyrene     | 25.49 | 276 | 343098   | 39.60 ng/ul   | 99     |
| 93) Dibenzo(a,h)anthracene     | 25.48 | 278 | 106384   | 13.99 ng/ul#  | 85     |

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|--------------------------|-------|------|----------|-------|-------|----------|
| 94) Benzo(g,h,i)perylene | 26.16 | 276  | 279368   | 39.73 | ng/ul | 97       |

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

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