

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG040215\  
 Data File : BG016221.D  
 Acq On : 2 Apr 2015 12:36  
 Operator : TP/IZ  
 Sample : G1647-09DL 25X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 C0AC8DL

Manual Integrations  
 APPROVED

apatel  
 4/3/2015 2:22:03 PM

Quant Time: Apr 03 05:30:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-BG033115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 03 05:14:56 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 65389    | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.49 | 136  | 288876   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.34 | 164  | 174241   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 356824   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 351137   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.52 | 264  | 344053   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |       |
| 5) Phenol-d5                   | 6.87  | 99  | 9700  | 1.62 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 5523  | 1.59 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 7678  | 1.63 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 7976  | 1.71 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 4586  | 1.89 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 4666  | 1.72 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 6744  | 1.53 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 5027  | 0.85 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 21778 | 1.89 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 29313 | 1.81 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 4148  | 1.43 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.34 | 176 | 21188 | 1.88 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 1971  | 0.81 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.19 | 188 | 29636 | 1.81 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.48 | 212 | 30436 | 1.91 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 26281 | 1.69 | ng/ul | 0.00  |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 28) Naphthalene            | 10.54 | 128 | 20624   | 1.33  | ng/ul  | 99     |
| 34) 2-Methylnaphthalene    | 12.15 | 142 | 13371   | 1.22  | ng/ul  | 96     |
| 49) Acenaphthene           | 14.41 | 153 | 116830  | 9.62  | ng/ul  | 98     |
| 53) Dibenzofuran           | 14.74 | 168 | 115048  | 7.29  | ng/ul  | 97     |
| 58) Fluorene               | 15.39 | 166 | 163984  | 11.86 | ng/ul  | 100    |
| 69) Phenanthrene           | 17.13 | 178 | 1101269 | 54.37 | ng/ul  | 97     |
| 71) Anthracene             | 17.22 | 178 | 430844  | 20.81 | ng/ul  | 99     |
| 72) Carbazole              | 17.49 | 167 | 93840   | 4.69  | ng/ul  | 97     |
| 74) Fluoranthene           | 19.15 | 202 | 1402667 | 62.30 | ng/ul  | 98     |
| 77) Pyrene                 | 19.51 | 202 | 1169759 | 53.67 | ng/ul  | 99     |
| 80) Benzo(a)anthracene     | 21.25 | 228 | 597687  | 29.41 | ng/ul  | 99     |
| 82) Chrysene               | 21.31 | 228 | 488172  | 25.86 | ng/ul  | 97     |
| 85) Benzo(b)fluoranthene   | 22.85 | 252 | 640648  | 31.18 | ng/ul  | 97     |
| 86) Benzo(k)fluoranthene   | 22.88 | 252 | 247104m | 12.48 | ng/ul  |        |
| 88) Benzo(a)pyrene         | 23.42 | 252 | 493980  | 25.22 | ng/ul  | 97     |
| 89) Indeno(1,2,3-cd)pyrene | 25.81 | 276 | 306444  | 13.38 | ng/ul# | 90     |
| 90) Dibenzo(a,h)anthracene | 25.82 | 278 | 78013   | 4.09  | ng/ul  | 94     |
| 91) Benzo(g,h,i)perylene   | 26.52 | 276 | 239575  | 12.80 | ng/ul  | 99     |

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

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