

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\  
 Data File : BG019532.D  
 Acq On : 9 Nov 2015 14:36  
 Operator : UM/NP  
 Sample : G4245-16DL2 50X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY51DL2

Manual Integrations  
 APPROVED

Mmdadoda  
 11/10/2015 1:04:09 PM

Quant Time: Nov 10 01:07:42 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 10 00:14:14 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 35606    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.01 | 136  | 146156   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.81 | 164  | 115179   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.54 | 188  | 324227   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.82 | 240  | 431251   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.18 | 264  | 398469   | 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                   | 7.32  | 99  | 304   | 0.09 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.48  | 67  | 1982  | 0.96 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 1231m | 0.60 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.87  | 113 | 915m  | 0.35 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 465   | 0.43 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 927   | 0.73 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.61 | 165 | 1703  | 0.62 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 613m  | 0.22 | ng/ul | 0.01  |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 8671  | 0.91 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 8592  | 0.82 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0     | 0.00 | ng/ul |       |
| 58) Fluorene-d10               | 15.79 | 176 | 7203  | 0.82 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 200   | 0.10 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.64 | 188 | 14463 | 0.98 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.92 | 212 | 14767 | 0.78 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.94 | 264 | 16012 | 0.80 | ng/ul | -0.01 |

## Target Compounds

|                         |       |     |        |       |        | Ovalue |
|-------------------------|-------|-----|--------|-------|--------|--------|
| 28) Naphthalene         | 11.06 | 128 | 697715 | 95.41 | ng/ul  | 96     |
| 34) 2-Methylnaphthalene | 12.65 | 142 | 25180  | 4.28  | ng/ul  | 98     |
| 35) 1-Methylnaphthalene | 12.86 | 142 | 50596  | 9.10  | ng/ul  | 95     |
| 41) 1,1'-Biphenyl       | 13.64 | 154 | 17952  | 2.20  | ng/ul# | 98     |
| 50) Acenaphthene        | 14.87 | 153 | 51408  | 7.07  | ng/ul  | 97     |
| 54) Dibenzofuran        | 15.20 | 168 | 63704  | 5.95  | ng/ul  | 91     |
| 59) Fluorene            | 15.85 | 166 | 40000  | 4.28  | ng/ul# | 97     |
| 70) Phenanthrene        | 17.59 | 178 | 78565  | 4.80  | ng/ul  | 95     |
| 75) Carbazole           | 17.94 | 167 | 67716  | 5.09  | ng/ul  | 98     |

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

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