

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112215\  
 Data File : BG019800.D  
 Acq On : 23 Nov 2015 3:08  
 Operator : UM/NP  
 Sample : G4345-21  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4J66

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:14:31 PM

Quant Time: Nov 23 05:58:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 23 04:11:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 17948    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 84179    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.75 | 164  | 73264    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.50 | 188  | 200763   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.76 | 240  | 263613   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.07 | 264  | 255657   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 1402   | 3.34  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.26  | 99  | 37230  | 20.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.42  | 67  | 23183  | 19.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 23493  | 19.92 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 31274  | 20.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 12735  | 18.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.01 | 143 | 16314  | 20.97 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.56 | 165 | 35485  | 21.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.07 | 131 | 13539  | 8.48  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.15 | 166 | 130583 | 19.71 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.45 | 160 | 122992 | 17.13 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.95 | 143 | 16712  | 16.01 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.74 | 176 | 99473  | 16.78 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.85 | 200 | 22762  | 17.55 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.59 | 188 | 151995 | 15.59 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.87 | 212 | 150740 | 12.55 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.84 | 264 | 130876 | 9.81  | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 4) Benzaldehyde            | 7.24  | 77  | 4255    | 3.18  | ng/ul# | 82     |
| 6) Phenol                  | 7.29  | 94  | 2735    | 1.38  | ng/ul# | 81     |
| 45) Dimethylphthalate      | 14.20 | 163 | 89666   | 13.65 | ng/ul  | 98     |
| 70) Phenanthrene           | 17.54 | 178 | 109267  | 10.17 | ng/ul  | 98     |
| 72) Anthracene             | 17.63 | 178 | 22907m  | 2.11  | ng/ul  |        |
| 77) Fluoranthene           | 19.54 | 202 | 197564  | 14.43 | ng/ul  | 99     |
| 80) Pyrene                 | 19.90 | 202 | 162225  | 10.54 | ng/ul  | 96     |
| 83) Benzo(a)anthracene     | 21.75 | 228 | 108334  | 6.78  | ng/ul  | 97     |
| 85) Chrysene               | 21.81 | 228 | 98173   | 6.53  | ng/ul  | 95     |
| 88) Benzo(b)fluoranthene   | 24.01 | 252 | 125550m | 7.97  | ng/ul  |        |
| 89) Benzo(k)fluoranthene   | 24.07 | 252 | 39751   | 2.62  | ng/ul  | 99     |
| 91) Benzo(a)pyrene         | 24.91 | 252 | 83664   | 5.52  | ng/ul  | 94     |
| 92) Indeno(1,2,3-cd)pyrene | 28.84 | 276 | 54164   | 3.19  | ng/ul  | 96     |
| 94) Benzo(g,h,i)perylene   | 30.02 | 276 | 46554m  | 3.31  | ng/ul  |        |

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

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