

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\  
 Data File : BG019487.D  
 Acq On : 5 Nov 2015 11:37  
 Operator : UM/NP  
 Sample : G4273-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AN6

Manual Integrations  
 APPROVED

Mmdadoda  
 11/6/2015 3:43:07 PM

Quant Time: Nov 06 04:04:55 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 06 02:11:58 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 30014    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.01 | 136  | 128098   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.81 | 164  | 107798   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.55 | 188  | 305951   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.82 | 240  | 410917   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.17 | 264  | 388146   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 3554   | 5.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.32  | 99  | 95651  | 34.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 62417  | 35.74 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 57474  | 33.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 78576  | 35.81 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 31168  | 33.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 37746  | 33.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.62 | 165 | 80439  | 33.18 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.14 | 131 | 90313  | 36.82 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 299669 | 33.72 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 329601 | 33.49 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.00 | 143 | 49972  | 35.39 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.80 | 176 | 275032 | 33.45 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 57247  | 28.91 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.65 | 188 | 476599 | 34.17 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.92 | 212 | 578767 | 32.19 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.94 | 264 | 666947 | 34.24 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 6) Phenol                      | 7.35  | 94  | 4290   | 1.46  | ng/ul# | 92  |
| 34) 2-Methylnaphthalene        | 12.65 | 142 | 5862   | 1.14  | ng/ul  | 83  |
| 35) 1-Methylnaphthalene        | 12.87 | 142 | 10028  | 2.06  | ng/ul  | 98  |
| 45) Dimethylphthalate          | 14.25 | 163 | 154973 | 17.05 | ng/ul# | 98  |
| 50) Acenaphthene               | 14.87 | 153 | 96402  | 14.16 | ng/ul  | 99  |
| 54) Dibenzofuran               | 15.20 | 168 | 63851  | 6.37  | ng/ul  | 100 |
| 59) Fluorene                   | 15.85 | 166 | 105523 | 12.06 | ng/ul  | 99  |
| 70) Phenanthrene               | 17.59 | 178 | 399879 | 25.90 | ng/ul  | 97  |
| 72) Anthracene                 | 17.68 | 178 | 145658 | 9.25  | ng/ul  | 98  |
| 75) Carbazole                  | 17.95 | 167 | 13667  | 1.09  | ng/ul# | 76  |
| 77) Fluoranthene               | 19.59 | 202 | 526908 | 26.36 | ng/ul# | 95  |
| 80) Pyrene                     | 19.95 | 202 | 365990 | 15.87 | ng/ul# | 91  |
| 83) Benzo(a)anthracene         | 21.81 | 228 | 185450 | 7.75  | ng/ul  | 97  |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 15055  | 1.41  | ng/ul# | 93  |
| 85) Chrysene                   | 21.88 | 228 | 148585 | 6.62  | ng/ul  | 97  |
| 88) Benzo(b)fluoranthene       | 24.10 | 252 | 138126 | 6.03  | ng/ul# | 97  |
| 89) Benzo(k)fluoranthene       | 24.17 | 252 | 58438m | 2.65  | ng/ul  |     |
| 91) Benzo(a)pyrene             | 25.01 | 252 | 108750 | 4.94  | ng/ul# | 97  |
| 92) Indeno(1,2,3-cd)pyrene     | 29.00 | 276 | 54430m | 2.20  | ng/ul  |     |
| 94) Benzo(g,h,i)perylene       | 30.19 | 276 | 43474m | 2.31  | ng/ul  |     |

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

