

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011516\  
 Data File : BM004031.D  
 Acq On : 15 Jan 2016 03:06  
 Operator : SJ/UM  
 Sample : H1099-17  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC9E3

Manual Integrations  
 APPROVED

mohammad  
 1/15/2016 3:03:20 PM

Quant Time: Jan 15 13:30:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 15 00:28:21 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 39715    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 190806   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.32 | 164  | 112519   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 245067   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 202302   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.51 | 264  | 180377   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 2038   | 2.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 54119  | 16.41 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 30579  | 16.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 45912  | 16.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 40330  | 15.09 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 22020  | 15.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 24010  | 15.24 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 43783  | 15.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 31270  | 8.46  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 142630 | 16.15 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.01 | 160 | 177510 | 16.50 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 16530  | 10.42 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 127598 | 17.03 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 10373  | 7.51  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 187797 | 16.57 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 191585 | 18.29 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 152297 | 16.91 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 45) Dimethylphthalate          | 13.77 | 163 | 61640  | 6.84  | ng/ul  | 99     |
| 70) Phenanthrene               | 17.11 | 178 | 100943 | 7.32  | ng/ul  | 99     |
| 72) Anthracene                 | 17.20 | 178 | 20543  | 1.45  | ng/ul  | 99     |
| 77) Fluoranthene               | 19.14 | 202 | 194396 | 13.57 | ng/ul  | 99     |
| 80) Pyrene                     | 19.50 | 202 | 191885 | 13.97 | ng/ul  | 99     |
| 83) Benzo(a)anthracene         | 21.26 | 228 | 80098  | 6.65  | ng/ul  | 98     |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 7664   | 1.04  | ng/ul# | 98     |
| 85) Chrysene                   | 21.31 | 228 | 83478  | 7.29  | ng/ul  | 98     |
| 88) Benzo(b)fluoranthene       | 22.84 | 252 | 91365  | 8.33  | ng/ul  | 97     |
| 89) Benzo(k)fluoranthene       | 22.88 | 252 | 30356m | 2.91  | ng/ul  |        |
| 91) Benzo(a)pyrene             | 23.41 | 252 | 67642  | 6.50  | ng/ul  | 97     |
| 92) Indeno(1,2,3-cd)pyrene     | 25.75 | 276 | 43355  | 3.77  | ng/ul  | 96     |
| 93) Dibenzo(a,h)anthracene     | 25.76 | 278 | 12261  | 1.27  | ng/ul# | 88     |
| 94) Benzo(g,h,i)perylene       | 26.44 | 276 | 41731  | 4.32  | ng/ul  | 99     |

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

```
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