

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\  
 Data File : BM012203.D  
 Acq On : 15 Oct 2017 11:35  
 Operator : SJ/JU  
 Sample : I5548-22  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE8

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 7:48:49 PM

Quant Time: Oct 16 02:33:18 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 16 01:56:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 176687   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 757459   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 468423   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 1040709  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 907908   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.71 | 264  | 884753   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 11105   | 2.99  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 246368  | 17.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 140829  | 16.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 231437  | 19.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 203863  | 16.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 111870  | 19.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 126003  | 18.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 254113  | 19.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 97211m  | 8.05  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 856086  | 20.68 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1043669 | 20.83 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 79177   | 12.72 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 732576  | 21.56 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 29770   | 4.17  | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.31 | 188 | 1093642 | 21.25 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.61 | 212 | 1068675 | 23.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 899753  | 21.09 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 44) Dimethylphthalate          | 13.92 | 163 | 302848  | 7.301  | ng/ul  | 99 |
| 69) Phenanthrene               | 17.26 | 178 | 315002  | 5.321  | ng/ul  | 99 |
| 71) Anthracene                 | 17.34 | 178 | 85397m  | 1.393  | ng/ul  |    |
| 74) Fluoranthene               | 19.27 | 202 | 786085  | 11.002 | ng/ul# | 96 |
| 77) Pyrene                     | 19.64 | 202 | 709076  | 11.826 | ng/ul# | 95 |
| 80) Benzo(a)anthracene         | 21.38 | 228 | 422813  | 7.157  | ng/ul  | 95 |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 330406  | 8.250  | ng/ul  | 99 |
| 82) Chrysene                   | 21.43 | 228 | 416410m | 7.508  | ng/ul  |    |
| 85) Benzo(b)fluoranthene       | 23.01 | 252 | 564997  | 9.786  | ng/ul# | 90 |
| 86) Benzo(k)fluoranthene       | 23.05 | 252 | 185064m | 3.326  | ng/ul  |    |
| 88) Benzo(a)pyrene             | 23.61 | 252 | 391743  | 7.199  | ng/ul# | 92 |
| 89) Indeno(1,2,3-cd)pyrene     | 26.08 | 276 | 283527  | 4.906  | ng/ul# | 90 |
| 90) Dibenzo(a,h)anthracene     | 26.07 | 278 | 71523   | 1.472  | ng/ul# | 49 |
| 91) Benzo(g,h,i)perylene       | 26.81 | 276 | 290254  | 6.132  | ng/ul# | 88 |

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

