

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
 Data File : BM002182.D  
 Acq On : 02 Aug 2015 23:06  
 Operator : TP  
 Sample : G3095-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01Q7

Manual Integrations  
 APPROVED

MMDadoda  
 8/3/2015 4:44:49 PM

Quant Time: Aug 03 03:26:37 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 02:05:53 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 95527    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 415997   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.23 | 164  | 258090   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.98 | 188  | 586958   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 557157   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 480469   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.01  | 96  | 1363   | 0.74 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 37240  | 5.45 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.89  | 67  | 22583  | 5.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 30966  | 5.35 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.28  | 113 | 27346  | 5.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 17826  | 6.03 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 17892  | 5.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 30609  | 4.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 20630  | 2.97 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.64 | 166 | 114315 | 6.05 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 148424 | 6.28 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 5683   | 1.80 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.23 | 176 | 107321 | 6.45 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 402    | 0.11 | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.08 | 188 | 160477 | 6.12 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 169707 | 7.24 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.24 | 264 | 135829 | 5.83 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 45) Dimethylphthalate          | 13.69 | 163 | 47751  | 2.53  | ng/ul  | 100    |
| 70) Phenanthrene               | 17.02 | 178 | 210261 | 6.92  | ng/ul  | 99     |
| 72) Anthracene                 | 17.11 | 178 | 61311  | 1.97  | ng/ul  | 98     |
| 76) Di-n-butylphthalate        | 17.94 | 149 | 52338  | 1.65  | ng/ul# | 94     |
| 77) Fluoranthene               | 19.05 | 202 | 417482 | 11.89 | ng/ul  | 100    |
| 80) Pyrene                     | 19.42 | 202 | 380939 | 12.56 | ng/ul  | 100    |
| 81) Butylbenzylphthalate       | 20.32 | 149 | 305112 | 26.35 | ng/ul  | 98     |
| 83) Benzo(a)anthracene         | 21.17 | 228 | 194883 | 6.31  | ng/ul  | 94     |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 350231 | 19.76 | ng/ul  | 99     |
| 85) Chrysene                   | 21.23 | 228 | 220630 | 7.64  | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene       | 22.73 | 252 | 285973 | 10.59 | ng/ul# | 92     |
| 89) Benzo(k)fluoranthene       | 22.77 | 252 | 93979m | 3.61  | ng/ul  |        |
| 91) Benzo(a)pyrene             | 23.29 | 252 | 181077 | 6.95  | ng/ul# | 92     |
| 92) Indeno(1,2,3-cd)pyrene     | 25.59 | 276 | 149072 | 4.96  | ng/ul  | 97     |
| 93) Dibenzo(a,h)anthracene     | 25.59 | 278 | 38130  | 1.48  | ng/ul# | 79     |
| 94) Benzo(g,h,i)perylene       | 26.27 | 276 | 148132 | 5.88  | ng/ul  | 96     |

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

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