

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070615\  
 Data File : BM001863.D  
 Acq On : 07 Jul 2015 11:54  
 Operator : TP/UM  
 Sample : G2861-09MSD  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G93L3MSD

Manual Integrations  
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 7/8/2015 4:24:40 PM

Quant Time: Jul 08 03:56:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 08 02:11:29 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 60613    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 230774   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 135003   | 20.00 | ng/ul | 0.01     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 288414   | 20.00 | ng/ul | 0.01     |
| 77) Chrysene-d12          | 21.26 | 240  | 347934   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 360705   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 2540   | 2.00  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.83  | 99  | 58710  | 12.61 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 33978  | 13.03 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 49356  | 13.41 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 39069  | 10.45 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 24742  | 15.49 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 24747  | 14.17 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 50340  | 13.46 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 133341 | 35.05 | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 131246 | 13.11 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 178347 | 13.59 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 25438  | 13.77 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.32 | 176 | 127878 | 13.77 | ng/ul | 0.01  |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 10192  | 5.78  | ng/ul | 0.01  |
| 70) Anthracene-d10             | 17.17 | 188 | 192446 | 14.32 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.47 | 212 | 219322 | 14.88 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 223085 | 14.03 | ng/ul | 0.02  |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 6.86  | 94  | 60794  | 12.65 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 48817  | 12.81 | ng/ul  | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 38194  | 13.18 | ng/ul  | 98     |
| 28) Naphthalene                | 10.51 | 128 | 24262  | 2.08  | ng/ul# | 55     |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 48204  | 12.49 | ng/ul  | 92     |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 620323 | 73.61 | ng/ul  | 98     |
| 44) Dimethylphthalate          | 13.78 | 163 | 44779  | 4.09  | ng/ul# | 96     |
| 47) Acenaphthylene             | 14.04 | 152 | 45137  | 3.37  | ng/ul# | 35     |
| 49) Acenaphthene               | 14.39 | 153 | 179799 | 20.11 | ng/ul  | 97     |
| 52) 4-Nitrophenol              | 14.54 | 109 | 23504  | 12.32 | ng/ul# | 64     |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165 | 63642  | 20.98 | ng/ul# | 81     |
| 58) Fluorene                   | 15.37 | 166 | 86830  | 8.15  | ng/ul# | 87     |
| 68) Pentachlorophenol          | 16.72 | 266 | 20906  | 9.44  | ng/ul  | 97     |
| 69) Phenanthrene               | 17.12 | 178 | 366759 | 23.45 | ng/ul  | 97     |
| 76) Fluoranthene               | 19.13 | 202 | 213489 | 11.41 | ng/ul  | 98     |
| 79) Pyrene                     | 19.50 | 202 | 564662 | 29.25 | ng/ul  | 99     |
| 82) Benzo(a)anthracene         | 21.25 | 228 | 133321 | 6.56  | ng/ul# | 91     |
| 84) Chrysene                   | 21.30 | 228 | 134234 | 6.97  | ng/ul# | 93     |
| 87) Benzo(b)fluoranthene       | 22.83 | 252 | 212720 | 10.13 | ng/ul# | 93     |
| 88) Benzo(k)fluoranthene       | 22.86 | 252 | 64947m | 3.20  | ng/ul  |        |
| 90) Benzo(a)pyrene             | 23.40 | 252 | 162334 | 7.95  | ng/ul# | 93     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276 | 146207 | 6.04  | ng/ul  | 96     |
| 92) Dibenzo(a,h)anthracene     | 25.75 | 278 | 34867  | 1.71  | ng/ul# | 70     |

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|--------------------------|-------|------|----------|------|-------|----------|
| 93) Benzo(g,h,i)perylene | 26.43 | 276  | 137138   | 6.73 | ng/ul | 95       |

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

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