

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM073015\  
 Data File : BM002134.D  
 Acq On : 30 Jul 2015 13:37  
 Operator : TP/UM  
 Sample : G3030-20RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C02K6RE

Manual Integrations  
 APPROVED

MMDadoda  
 8/3/2015 11:53:25 AM

Quant Time: Aug 10 12:49:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 31 01:27:14 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 152263   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 636228   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.26 | 164  | 354251   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.01 | 188  | 690766   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.22 | 240  | 788713   | 20.00 | ng/ul | 0.02     |
| 86) Perylene-d12          | 23.43 | 264  | 754317   | 20.00 | ng/ul | 0.03     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 8891   | 3.02  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.77  | 99  | 249131 | 22.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 132696 | 22.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 212625 | 23.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 199293 | 23.03 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 101688 | 22.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 120899 | 24.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 217987 | 22.52 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 143368 | 13.48 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 580157 | 22.36 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.94 | 160 | 640660 | 19.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.48 | 143 | 73327  | 16.93 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.25 | 176 | 417982 | 18.31 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 37925  | 8.98  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.11 | 188 | 575219 | 18.66 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 591111 | 17.80 | ng/ul | 0.02 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 628273 | 17.18 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 28) Naphthalene                | 10.43 | 128 | 215925  | 7.14   | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.05 | 142 | 51672   | 2.35   | ng/ul  | 100    |
| 45) Dimethylphthalate          | 13.72 | 163 | 236583  | 9.13   | ng/ul  | 100    |
| 48) Acenaphthylene             | 13.97 | 152 | 65681   | 1.96   | ng/ul  | 96     |
| 50) Acenaphthene               | 14.32 | 153 | 188033  | 8.57   | ng/ul  | 98     |
| 54) Dibenzofuran               | 14.66 | 168 | 157974  | 5.02   | ng/ul  | 98     |
| 59) Fluorene                   | 15.31 | 166 | 207781  | 7.99   | ng/ul  | 98     |
| 70) Phenanthrene               | 17.06 | 178 | 2939137 | 82.15  | ng/ul  | 99     |
| 72) Anthracene                 | 17.14 | 178 | 782226  | 21.39  | ng/ul  | 99     |
| 75) Carbazole                  | 17.42 | 167 | 291834  | 9.34   | ng/ul  | 97     |
| 76) Di-n-butylphthalate        | 17.97 | 149 | 94399   | 2.53   | ng/ul# | 91     |
| 77) Fluoranthene               | 19.09 | 202 | 4468937 | 108.17 | ng/ul# | 96     |
| 80) Pyrene                     | 19.46 | 202 | 3870420 | 90.18  | ng/ul  | 98     |
| 83) Benzo(a)anthracene         | 21.21 | 228 | 2165438 | 49.53  | ng/ul  | 97     |
| 84) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 354369  | 14.12  | ng/ul  | 100    |
| 85) Chrysene                   | 21.26 | 228 | 2012517 | 49.20  | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene       | 22.77 | 252 | 2269784 | 53.55  | ng/ul# | 96     |
| 89) Benzo(k)fluoranthene       | 22.81 | 252 | 740275m | 18.10  | ng/ul  |        |
| 91) Benzo(a)pyrene             | 23.34 | 252 | 1562243 | 38.18  | ng/ul  | 98     |
| 92) Indeno(1,2,3-cd)pyrene     | 25.64 | 276 | 938743  | 19.91  | ng/ul  | 96     |
| 93) Dibenzo(a,h)anthracene     | 25.64 | 278 | 279783  | 6.93   | ng/ul# | 90     |
| 94) Benzo(g,h,i)perylene       | 26.34 | 276 | 817707  | 20.69  | ng/ul  | 97     |

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

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