

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\  
 Data File : BG030822.D  
 Acq On : 8 Nov 2017 00:10  
 Operator : SJ/JU  
 Sample : I6004-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0E07

Manual Integrations  
 APPROVED

Sohil  
 11/8/2017 5:29:56 PM

Quant Time: Nov 08 13:04:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 08 04:22:00 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.15  | 152  | 77131    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.96 | 136  | 368488   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 238624   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.51 | 188  | 556687   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.79 | 240  | 581095   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.11 | 264  | 622419   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 6943   | 3.66  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 148566 | 20.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 86298  | 18.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 123906 | 23.73 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 127475 | 21.32 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 63584  | 24.04 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.04 | 143 | 77099  | 28.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 138190 | 22.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 118724 | 16.55 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.17 | 166 | 447236 | 21.92 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 558295 | 22.50 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.98 | 143 | 57535  | 15.28 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.76 | 176 | 409396 | 24.50 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 60429  | 22.24 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.61 | 188 | 600947 | 22.83 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.89 | 212 | 687469 | 22.85 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.88 | 264 | 709146 | 24.06 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |          |        | Ovalue |    |
|----------------------------|-------|-----|----------|--------|--------|----|
| 6) Phenol                  | 7.34  | 94  | 45807    | 5.980  | ng/ul# | 89 |
| 28) Naphthalene            | 11.02 | 128 | 108364   | 5.558  | ng/ul  | 97 |
| 34) 2-Methylnaphthalene    | 12.61 | 142 | 93045    | 5.765  | ng/ul  | 95 |
| 40) 1,1'-Biphenyl          | 13.60 | 154 | 34283    | 1.743  | ng/ul  | 97 |
| 44) Dimethylphthalate      | 14.21 | 163 | 177734   | 8.932  | ng/ul  | 99 |
| 47) Acenaphthylene         | 14.50 | 152 | 65547    | 2.590  | ng/ul# | 93 |
| 49) Acenaphthene           | 14.83 | 153 | 264330   | 15.266 | ng/ul  | 98 |
| 53) Dibenzofuran           | 15.16 | 168 | 344133   | 14.537 | ng/ul  | 91 |
| 58) Fluorene               | 15.81 | 166 | 314530   | 16.655 | ng/ul  | 99 |
| 69) Phenanthrene           | 17.56 | 178 | 2889194m | 96.006 | ng/ul  |    |
| 71) Anthracene             | 17.64 | 178 | 959011   | 30.887 | ng/ul  | 99 |
| 72) Carbazole              | 17.91 | 167 | 333861   | 11.962 | ng/ul  | 98 |
| 74) Fluoranthene           | 19.56 | 202 | 2856294m | 84.926 | ng/ul  |    |
| 77) Pyrene                 | 19.92 | 202 | 2423188  | 62.220 | ng/ul# | 92 |
| 80) Benzo(a)anthracene     | 21.77 | 228 | 1697108  | 46.602 | ng/ul  | 94 |
| 82) Chrysene               | 21.84 | 228 | 1421009  | 42.945 | ng/ul# | 92 |
| 85) Benzo(b)fluoranthene   | 24.05 | 252 | 1519069  | 40.654 | ng/ul  | 96 |
| 86) Benzo(k)fluoranthene   | 24.11 | 252 | 569392   | 15.761 | ng/ul  | 95 |
| 88) Benzo(a)pyrene         | 24.95 | 252 | 1147752  | 31.556 | ng/ul  | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 614709   | 14.938 | ng/ul  | 97 |
| 90) Dibenzo(a,h)anthracene | 28.93 | 278 | 218356m  | 6.388  | ng/ul  |    |
| 91) Benzo(a,h,i)perylene   | 30.08 | 276 | 458271   | 13.435 | ng/ul  | 98 |

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

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