

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\  
 Data File : BG021832.D  
 Acq On : 11 May 2016 1:22  
 Operator : UM/SJ  
 Sample : H2937-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9X83

Manual Integrations  
 APPROVED

sohil  
 5/11/2016 8:26:32 PM

Quant Time: May 11 06:52:44 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 11 02:37:33 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 74576    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 392411   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.81 | 164  | 246214   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.55 | 188  | 543197   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.83 | 240  | 569692   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.17 | 264  | 571919   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.58  | 96  | 4636    | 3.00  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 90595   | 16.37 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 43287   | 15.78 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 81146   | 18.89 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 82811m  | 17.82 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 42806   | 16.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 43780m  | 26.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.62 | 165 | 89587m  | 19.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.13 | 131 | 105491m | 21.25 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 302642  | 17.50 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 416999  | 16.98 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.00 | 143 | 46144m  | 15.57 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.79 | 176 | 287000  | 15.76 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 29946   | 19.90 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.64 | 188 | 419670  | 15.87 | ng/ul | 0.00 |
| 77) Pyrene-d10                 | 19.92 | 212 | 442027  | 16.58 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12         | 24.93 | 264 | 402654  | 14.82 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |      |        | Ovalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 45) Dimethylphthalate          | 14.25 | 163 | 50536  | 2.87 | ng/ul  | 99     |
| 70) Phenanthrene               | 17.58 | 178 | 33466  | 1.13 | ng/ul  | 95     |
| 75) Fluoranthene               | 19.59 | 202 | 73458  | 2.18 | ng/ul  | 96     |
| 78) Pyrene                     | 19.95 | 202 | 63971m | 1.94 | ng/ul  |        |
| 79) Butylbenzylphthalate       | 20.82 | 149 | 8365   | 1.15 | ng/ul# | 89     |
| 81) Benzo(a)anthracene         | 21.81 | 228 | 41341  | 1.30 | ng/ul  | 96     |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 25664  | 2.16 | ng/ul  | 99     |
| 83) Chrysene                   | 21.87 | 228 | 37250  | 1.19 | ng/ul  | 96     |
| 86) Benzo(b)fluoranthene       | 24.11 | 252 | 64840  | 1.98 | ng/ul# | 93     |
| 89) Benzo(a)pyrene             | 25.01 | 252 | 38922  | 1.19 | ng/ul# | 87     |

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

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