

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\  
 Data File : BG019253.D  
 Acq On : 19 Oct 2015 23:35  
 Operator : UM/NP  
 Sample : G3996-14  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK1

Manual Integrations  
 APPROVED

MMdadoda  
 10/20/2015 6:27:32 PM

Quant Time: Oct 20 11:02:37 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 20 06:03:40 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 20338    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.82 | 136  | 88524m   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.65 | 164  | 60453m   | 20.00 | ng/ul | 0.02     |
| 62) Phenanthrene-d10      | 17.43 | 188  | 137450m  | 20.00 | ng/ul | 0.05     |
| 78) Chrysene-d12          | 21.72 | 240  | 145982m  | 20.00 | ng/ul | 0.07     |
| 86) Perylene-d12          | 25.00 | 264  | 135424m  | 20.00 | ng/ul | 0.14     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.45  | 96  | 1028m   | 2.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.20  | 99  | 26648   | 15.01 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 17433   | 15.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.55  | 132 | 20907   | 16.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 21702   | 14.43 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 11404m  | 16.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 12934m  | 17.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 22160m  | 15.46 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.97 | 131 | 34253m  | 18.55 | ng/ul | 0.03 |
| 44) Dimethylphthalate-d6       | 14.09 | 166 | 79571m  | 15.05 | ng/ul | 0.06 |
| 47) Acenaphthylene-d8          | 14.35 | 160 | 96167m  | 16.83 | ng/ul | 0.03 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d      | 0.00  | ng/ul |      |
| 58) Fluorene-d10               | 15.65 | 176 | 189664m | 41.97 | ng/ul | 0.03 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d      | 0.00  | ng/ul |      |
| 71) Anthracene-d10             | 17.54 | 188 | 128455m | 19.78 | ng/ul | 0.06 |
| 79) Pyrene-d10                 | 19.82 | 212 | 130275m | 19.68 | ng/ul | 0.06 |
| 90) Benzo(a)pyrene-d12         | 24.78 | 264 | 121414m | 17.75 | ng/ul | 0.14 |

## Target Compounds

|                         |       |     |          |        | Ovalue    |
|-------------------------|-------|-----|----------|--------|-----------|
| 14) Acetophenone        | 8.82  | 105 | 10305    | 4.06   | ng/ul# 61 |
| 24) 2,4-Dimethylphenol  | 10.04 | 107 | 329079m  | 176.61 | ng/ul     |
| 28) Naphthalene         | 10.87 | 128 | 165728m  | 35.82  | ng/ul     |
| 34) 2-Methylnaphthalene | 12.48 | 142 | 201784m  | 55.01  | ng/ul     |
| 35) 1-Methylnaphthalene | 12.70 | 142 | 187173m  | 52.11  | ng/ul     |
| 41) 1,1'-Biphenyl       | 13.48 | 154 | 122651m  | 25.99  | ng/ul     |
| 50) Acenaphthene        | 14.72 | 153 | 99106m   | 23.48  | ng/ul     |
| 54) Dibenzofuran        | 15.06 | 168 | 550086m  | 92.22  | ng/ul     |
| 59) Fluorene            | 15.72 | 166 | 440440m  | 86.28  | ng/ul     |
| 70) Phenanthrene        | 17.49 | 178 | 1855600m | 241.78 | ng/ul     |
| 72) Anthracene          | 17.57 | 178 | 357229m  | 45.81  | ng/ul     |
| 77) Fluoranthene        | 19.49 | 202 | 864513m  | 89.98  | ng/ul     |
| 80) Pyrene              | 19.86 | 202 | 979723m  | 113.08 | ng/ul     |
| 83) Benzo(a)anthracene  | 21.70 | 228 | 218649m  | 26.52  | ng/ul     |
| 85) Chrysene            | 21.76 | 228 | 261098m  | 33.48  | ng/ul     |
| 91) Benzo(a)pyrene      | 24.84 | 252 | 83139m   | 11.26  | ng/ul     |

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

