

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080515\  
 Data File : BG018291.D  
 Acq On : 6 Aug 2015 3:16  
 Operator : UM/TP  
 Sample : G3109-08RE  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01J2RE

Manual Integrations  
 APPROVED

apatel  
 8/10/2015 9:24:58 AM

Quant Time: Aug 14 03:15:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 48211    | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.23 | 136  | 218062   | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.13 | 164  | 125174   | 20.00 | ng/ul | 0.01     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 196283   | 20.00 | ng/ul | 0.02     |
| 78) Chrysene-d12          | 21.12 | 240  | 184435   | 20.00 | ng/ul | 0.03     |
| 86) Perylene-d12          | 23.30 | 264  | 151514   | 20.00 | ng/ul | 0.06     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.90  | 96  | 1309    | 2.34  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 67240   | 17.73 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 35141   | 19.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 59787   | 18.94 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.18  | 113 | 28044   | 8.76  | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 32494   | 19.24 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 38084   | 19.50 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165 | 65722   | 18.30 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.37 | 131 | 4727    | 1.10  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.54 | 166 | 191594  | 19.79 | ng/ul | 0.01 |
| 47) Acenaphthylene-d8          | 13.82 | 160 | 222735  | 20.29 | ng/ul | 0.01 |
| 52) 4-Nitrophenol-d4           | 14.40 | 143 | 20509   | 12.84 | ng/ul | 0.03 |
| 58) Fluorene-d10               | 15.13 | 176 | 157159  | 18.07 | ng/ul | 0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.30 | 200 | 6829m   | 5.03  | ng/ul | 0.03 |
| 71) Anthracene-d10             | 16.99 | 188 | 170326  | 19.73 | ng/ul | 0.02 |
| 79) Pyrene-d10                 | 19.32 | 212 | 127485  | 12.35 | ng/ul | 0.03 |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 153729m | 19.50 | ng/ul | 0.06 |

## Target Compounds

|                            |       |     |          |        |        | Qvalue |
|----------------------------|-------|-----|----------|--------|--------|--------|
| 28) Naphthalene            | 10.27 | 128 | 67034    | 6.54   | ng/ul  | 97     |
| 34) 2-Methylnaphthalene    | 11.91 | 142 | 27062    | 3.29   | ng/ul  | 95     |
| 41) 1,1'-Biphenyl          | 12.94 | 154 | 16945    | 1.96   | ng/ul# | 81     |
| 45) Dimethylphthalate      | 13.59 | 163 | 76574    | 7.93   | ng/ul  | 97     |
| 48) Acenaphthylene         | 13.85 | 152 | 137987   | 12.21  | ng/ul  | 98     |
| 50) Acenaphthene           | 14.19 | 153 | 119533   | 16.34  | ng/ul  | 97     |
| 54) Dibenzofuran           | 14.53 | 168 | 221557   | 20.58  | ng/ul  | 97     |
| 59) Fluorene               | 15.18 | 166 | 293788   | 31.07  | ng/ul  | 97     |
| 70) Phenanthrene           | 16.95 | 178 | 3269807m | 330.09 | ng/ul  |        |
| 72) Anthracene             | 17.03 | 178 | 675453   | 68.33  | ng/ul  | 98     |
| 75) Carbazole              | 17.31 | 167 | 198371   | 23.78  | ng/ul  | 95     |
| 76) Di-n-butylphthalate    | 17.87 | 149 | 12836    | 1.10   | ng/ul# | 90     |
| 77) Fluoranthene           | 18.99 | 202 | 3583864  | 326.18 | ng/ul# | 87     |
| 80) Pyrene                 | 19.36 | 202 | 2911540  | 227.03 | ng/ul# | 89     |
| 83) Benzo(a)anthracene     | 21.11 | 228 | 1850540  | 190.09 | ng/ul# | 88     |
| 85) Chrysene               | 21.11 | 228 | 1875471m | 214.42 | ng/ul  |        |
| 88) Benzo(b)fluoranthene   | 22.66 | 252 | 2387932  | 256.98 | ng/ul# | 93     |
| 89) Benzo(k)fluoranthene   | 22.70 | 252 | 709487   | 79.62  | ng/ul# | 90     |
| 91) Benzo(a)pyrene         | 23.22 | 252 | 1564073  | 192.78 | ng/ul# | 95     |
| 92) Indeno(1,2,3-cd)pyrene | 25.53 | 276 | 736470   | 73.37  | ng/ul  | 98     |
| 93) Dibenzo(a,h)anthracene | 25.52 | 278 | 182977   | 20.78  | ng/ul# | 94     |
| 94) Benzo(g,h,i)perylene   | 26.20 | 276 | 549005   | 67.40  | ng/ul  | 98     |

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

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