

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080816\  
 Data File : BG023538.D  
 Acq On : 8 Aug 2016 17:33  
 Operator : UM/SJ  
 Sample : H4338-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4V12

Quant Time: Aug 09 15:53:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 09 02:15:40 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 116953   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.95 | 136  | 561152   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 406022   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.54 | 188  | 1007003  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 1018881  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.22 | 264  | 965994   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.49  | 96  | 9350    | 3.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 445965  | 37.85 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 288958  | 38.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 302712  | 37.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.83  | 113 | 348079  | 37.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 167702  | 37.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 193852  | 38.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 366048  | 38.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.08 | 131 | 290232  | 25.82 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.17 | 166 | 1258944 | 37.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 1430777 | 38.24 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.99 | 143 | 233017  | 41.06 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 1132915 | 36.88 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 243259  | 37.65 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.64 | 188 | 1727427 | 38.07 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1887056 | 36.59 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 1780957 | 40.73 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 4) Benzaldehyde                | 7.25  | 77  | 25099   | 3.50  | ng/ul  | 86     |
| 10) 2-Chlorophenol             | 7.68  | 128 | 344887  | 42.13 | ng/ul# | 83     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 790888  | 64.89 | ng/ul  | 97     |
| 14) Acetophenone               | 8.95  | 105 | 636892  | 43.17 | ng/ul# | 80     |
| 17) Hexachloroethane           | 9.20  | 117 | 71503   | 20.24 | ng/ul# | 91     |
| 20) Nitrobenzene               | 9.33  | 77  | 802699  | 61.91 | ng/ul# | 85     |
| 23) 2-Nitrophenol              | 10.05 | 139 | 282922  | 51.58 | ng/ul# | 68     |
| 27) 2,4-Dichlorophenol         | 10.59 | 162 | 254421  | 26.33 | ng/ul  | 97     |
| 28) Naphthalene                | 11.00 | 128 | 514093  | 18.05 | ng/ul  | 96     |
| 30) 4-Chloroaniline            | 11.11 | 127 | 18202   | 1.63  | ng/ul  | 92     |
| 33) 4-Chloro-3-methylphenol    | 12.23 | 107 | 633025  | 50.90 | ng/ul  | 85     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 281541  | 22.59 | ng/ul  | 97     |
| 38) 2,4,6-Trichlorophenol      | 13.21 | 196 | 298639  | 34.59 | ng/ul  | 98     |
| 40) 1,1'-Biphenyl              | 13.60 | 154 | 1308649 | 43.86 | ng/ul  | 96     |
| 42) 2-Nitroaniline             | 13.86 | 65  | 664579  | 70.15 | ng/ul# | 66     |
| 45) 2,6-Dinitrotoluene         | 14.35 | 165 | 319924  | 44.83 | ng/ul# | 84     |
| 47) Acenaphthylene             | 14.50 | 152 | 2000600 | 51.13 | ng/ul  | 95     |
| 49) Acenaphthene               | 14.84 | 153 | 139840  | 5.24  | ng/ul  | 95     |
| 52) 4-Nitrophenol              | 15.00 | 109 | 387062  | 68.10 | ng/ul# | 74     |
| 53) Dibenzofuran               | 15.18 | 168 | 883007  | 22.35 | ng/ul  | 90     |
| 54) 2,4-Dinitrotoluene         | 15.14 | 165 | 575718  | 53.24 | ng/ul# | 68     |
| 56) Diethylphthalate           | 15.59 | 149 | 1671617 | 48.58 | ng/ul# | 92     |
| 58) Fluorene                   | 15.83 | 166 | 313599  | 9.53  | ng/ul  | 94     |

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|----------------------------|-------|------|----------|-------|--------|----------|
| 64) N-Nitrosodiphenylamine | 16.04 | 169  | 1550675  | 55.10 | ng/ul  | 98       |
| 66) Hexachlorobenzene      | 16.84 | 284  | 556304   | 45.22 | ng/ul  | 97       |
| 68) Pentachlorophenol      | 17.19 | 266  | 336171   | 49.53 | ng/ul  | 89       |
| 69) Phenanthrene           | 17.58 | 178  | 1839392  | 35.27 | ng/ul  | 94       |
| 73) Di-n-butylphthalate    | 18.49 | 149  | 2296201  | 42.75 | ng/ul# | 90       |
| 77) Pyrene                 | 19.96 | 202  | 1157118  | 18.37 | ng/ul# | 91       |
| 79) 3,3'-Dichlorobenzidine | 21.75 | 252  | 198987   | 11.08 | ng/ul# | 97       |
| 80) Benzo(a)anthracene     | 21.83 | 228  | 2402613  | 41.87 | ng/ul# | 92       |
| 84) Di-n-octyl phthalate   | 22.97 | 149  | 1784302  | 36.57 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene   | 24.15 | 252  | 2033040  | 37.00 | ng/ul# | 94       |
| 88) Benzo(a)pyrene         | 25.07 | 252  | 1225495  | 23.10 | ng/ul# | 95       |
| 90) Dibenzo(a,h)anthracene | 29.16 | 278  | 2786763  | 52.42 | ng/ul# | 90       |
| 91) Benzo(g,h,i)perylene   | 30.30 | 276  | 1463160  | 28.31 | ng/ul# | 87       |

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

