

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
 Data File : BG028574.D  
 Acq On : 5 Sep 2017 11:42  
 Operator : SJ/JU  
 Sample : PB101999TB  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLEB18

Manual Integrations  
 APPROVED

Sohil  
 9/6/2017 5:13:13 PM

Quant Time: Sep 06 04:15:37 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 04:00:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 58m      | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 646      | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 675      | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.70 | 188  | 1046m    | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.03 | 240  | 1359m    | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.69 | 264  | 279      | 20.00 | ng/ul | 0.14     |

## System Monitoring Compounds

|                                |       |     |        |          |       |      |
|--------------------------------|-------|-----|--------|----------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.82  | 96  | 7551   | 6062.73  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 129628 | 20349.41 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.66  | 67  | 86562  | 21457.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.87  | 132 | 97740  | 24322.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 105638 | 19842.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 50251  | 9948.09  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 60491  | 10921.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 106384 | 9283.62  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 128679 | 10088.35 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 324651 | 5407.52  | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 379781 | 5610.73  | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.16 | 143 | 40362  | 4228.23  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 263403 | 4890.53  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 46292  | 6812.69  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.80 | 188 | 432038 | 8613.57  | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.08 | 212 | 530223 | 7608.19  | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.31 | 264 | 510128 | 39056.65 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |      |         | Ovalue    |
|--------------------------------|-------|-----|------|---------|-----------|
| 2) 1,4-Dioxane                 | 3.87  | 88  | 85   | 64.976  | ng/uL# 19 |
| 4) Benzaldehyde                | 7.49  | 77  | 149  | 40.476  | ng/ul# 11 |
| 6) Phenol                      | 7.42  | 94  | 54   | 8.530   | ng/ul# 30 |
| 8) Bis(2-Chloroethyl)ether     | 7.75  | 93  | 513  | 118.958 | ng/ul# 80 |
| 10) 2-Chlorophenol             | 7.82  | 128 | 60   | 15.322  | ng/ul# 23 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.04  | 45  | 1454 | 138.895 | ng/ul# 62 |
| 15) N-Nitroso-di-n-propylamine | 9.14  | 70  | 61   | 14.136  | ng/ul# 26 |
| 16) 4-Methylphenol             | 9.31  | 108 | 60   | 11.892  | ng/ul# 1  |
| 17) Hexachloroethane           | 9.42  | 117 | 72   | 44.370  | ng/ul# 1  |
| 20) Nitrobenzene               | 9.51  | 77  | 291  | 19.900  | ng/ul# 47 |
| 21) Isophorone                 | 10.23 | 82  | 6686 | 240.666 | ng/ul# 74 |
| 25) Bis(2-Chloroethoxy)methane | 10.78 | 93  | 66   | 4.361   | ng/ul# 1  |
| 27) 2,4-Dichlorophenol         | 10.80 | 162 | 123  | 11.791  | ng/ul# 1  |
| 28) Naphthalene                | 11.22 | 128 | 1822 | 56.947  | ng/ul# 68 |
| 30) 4-Chloroaniline            | 11.32 | 127 | 55   | 4.448   | ng/ul# 39 |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.15 | 216 | 656  | 30.151  | ng/ul# 81 |
| 38) 2,4,6-Trichlorophenol      | 13.52 | 196 | 62   | 4.572   | ng/ul# 15 |
| 39) 2,4,5-Trichlorophenol      | 13.52 | 196 | 62   | 4.195   | ng/ul# 11 |
| 42) 2-Nitroaniline             | 13.87 | 65  | 65   | 3.979   | ng/ul# 14 |
| 44) Dimethylphthalate          | 14.34 | 163 | 617  | 11.162  | ng/ul# 1  |
| 45) 2,6-Dinitrotoluene         | 14.36 | 165 | 313  | 27.424  | ng/ul# 26 |
| 49) Acenaphthene               | 15.06 | 153 | 65   | 1.489   | ng/ul# 13 |
| 50) 2,4-Dinitrophenol          | 15.29 | 184 | 60   | 9.330   | ng/ul# 8  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 52) 4-Nitrophenol              | 15.16 | 109  | 59       | 5.965  | ng/ul# | 1        |
| 56) Diethylphthalate           | 15.74 | 149  | 109      | 1.681  | ng/ul# | 59       |
| 58) Fluorene                   | 16.01 | 166  | 57       | 1.012  | ng/ul# | 8        |
| 60) 4-Nitroaniline             | 15.96 | 138  | 62       | 5.085  | ng/ul# | 1        |
| 63) 4,6-Dinitro-2-methylphenol | 16.07 | 198  | 86       | 12.482 | ng/ul# | 1        |
| 64) N-Nitrosodiphenylamine     | 16.19 | 169  | 69       | 2.507  | ng/ul# | 21       |
| 65) 4-Bromophenyl-phenylether  | 17.14 | 248  | 64       | 5.693  | ng/ul# | 10       |
| 69) Phenanthrene               | 17.80 | 178  | 93       | 1.767  | ng/ul# | 30       |
| 71) Anthracene                 | 17.80 | 178  | 93       | 1.729  | ng/ul# | 30       |
| 72) Carbazole                  | 18.12 | 167  | 88       | 1.881  | ng/ul# | 58       |
| 73) Di-n-butylphthalate        | 18.63 | 149  | 278      | 4.773  | ng/ul# | 76       |
| 78) Butylbenzylphthalate       | 21.09 | 149  | 774      | 25.482 | ng/ul# | 59       |
| 79) 3,3'-Dichlorobenzidine     | 22.03 | 252  | 56       | 2.136  | ng/ul# | 26       |
| 81) Bis(2-ethylhexyl)phthalate | 21.99 | 149  | 234      | 5.417  | ng/ul# | 54       |
| 82) Chrysene                   | 22.25 | 228  | 72       | 1.018  | ng/ul# | 1        |
| 84) Di-n-octyl phthalate       | 23.31 | 149  | 203      | 12.141 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.56 | 252  | 57       | 3.414  | ng/ul# | 59       |
| 86) Benzo(k)fluoranthene       | 24.62 | 252  | 112      | 6.868  | ng/ul# | 1        |
| 88) Benzo(a)pyrene             | 25.56 | 252  | 62       | 3.835  | ng/ul# | 60       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.75 | 276  | 56       | 2.958  | ng/ul# | 58       |
| 90) Dibenzo(a,h)anthracene     | 29.77 | 278  | 59       | 3.719  | ng/ul# | 56       |
| 91) Benzo(g,h,i)perylene       | 30.98 | 276  | 60       | 3.853  | ng/ul# | 1        |
| -----                          |       |      |          |        |        |          |

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

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