

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM092016\  
 Data File : BM007492.D  
 Acq On : 20 Sep 2016 12:12  
 Operator : UM/SJ  
 Sample : H4830-08  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4VH6

Quant Time: Sep 20 18:48:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM082316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 20 01:35:12 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 146282   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.57 | 136  | 687451   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 537323   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1237035  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 1762834  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.61 | 264  | 1875300  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 21569   | 7.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 522713  | 37.83 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.12  | 67  | 281134  | 38.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.32  | 132 | 390607  | 38.25 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 450735  | 37.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 204085  | 40.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.66  | 143 | 237889  | 40.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 466536  | 39.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.71 | 131 | 293397  | 20.05 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 1674758 | 36.13 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 1920969 | 35.75 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 297693  | 34.02 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.42 | 176 | 1414897 | 35.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 292590  | 37.62 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 2377166 | 41.14 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 3008255 | 40.81 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.47 | 264 | 3568454 | 41.31 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |       | Qvalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 4) Benzaldehyde                | 6.94  | 77  | 29054   | 3.69  | ng/ul | 97     |
| 10) 2-Chlorophenol             | 7.35  | 128 | 451474  | 43.17 | ng/ul | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.31  | 45  | 710741  | 63.25 | ng/ul | 98     |
| 14) Acetophenone               | 8.60  | 105 | 788217  | 42.65 | ng/ul | 98     |
| 17) Hexachloroethane           | 8.86  | 117 | 86834   | 21.35 | ng/ul | 94     |
| 20) Nitrobenzene               | 8.99  | 77  | 899060  | 69.35 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.69  | 139 | 351420  | 54.85 | ng/ul | 96     |
| 27) 2,4-Dichlorophenol         | 10.22 | 162 | 327208  | 28.08 | ng/ul | 99     |
| 28) Naphthalene                | 10.62 | 128 | 628381  | 18.38 | ng/ul | 100    |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 800592  | 55.50 | ng/ul | 95     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.60 | 216 | 368072  | 20.57 | ng/ul | 95     |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196 | 397308  | 31.39 | ng/ul | 99     |
| 40) 1,1'-Biphenyl              | 13.25 | 154 | 1661465 | 39.87 | ng/ul | 96     |
| 42) 2-Nitroaniline             | 13.50 | 65  | 636693  | 59.66 | ng/ul | 97     |
| 45) 2,6-Dinitrotoluene         | 14.00 | 165 | 401586  | 42.55 | ng/ul | 95     |
| 47) Acenaphthylene             | 14.14 | 152 | 2760100 | 49.92 | ng/ul | 99     |
| 49) Acenaphthene               | 14.48 | 153 | 164771  | 4.58  | ng/ul | 96     |
| 52) 4-Nitrophenol              | 14.65 | 109 | 562951  | 60.47 | ng/ul | 86     |
| 53) Dibenzofuran               | 14.82 | 168 | 1098557 | 20.40 | ng/ul | 96     |
| 54) 2,4-Dinitrotoluene         | 14.80 | 165 | 714364  | 49.38 | ng/ul | 100    |
| 56) Diethylphthalate           | 15.24 | 149 | 2242652 | 46.56 | ng/ul | 100    |
| 58) Fluorene                   | 15.47 | 166 | 379764  | 8.56  | ng/ul | 99     |
| 64) N-Nitrosodiphenylamine     | 15.68 | 169 | 2019669 | 58.48 | ng/ul | 99     |

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Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 66) Hexachlorobenzene      | 16.47 | 284  | 705830   | 45.13 | ng/ul | 96       |
| 68) Pentachlorophenol      | 16.82 | 266  | 499466   | 49.49 | ng/ul | 99       |
| 69) Phenanthrene           | 17.20 | 178  | 2491705  | 37.52 | ng/ul | 99       |
| 73) Di-n-butylphthalate    | 18.13 | 149  | 3398590  | 45.33 | ng/ul | 99       |
| 77) Pyrene                 | 19.59 | 202  | 1735438  | 18.35 | ng/ul | 97       |
| 79) 3,3'-Dichlorobenzidine | 21.26 | 252  | 188377   | 5.38  | ng/ul | 99       |
| 80) Benzo(a)anthracene     | 21.33 | 228  | 4663344  | 44.87 | ng/ul | 100      |
| 84) Di-n-octyl phthalate   | 22.14 | 149  | 3311616  | 35.45 | ng/ul | 99       |
| 85) Benzo(b)fluoranthene   | 22.93 | 252  | 4100351  | 36.98 | ng/ul | 99       |
| 88) Benzo(a)pyrene         | 23.51 | 252  | 2454503  | 23.13 | ng/ul | 99       |
| 90) Dibenzo(a,h)anthracene | 25.92 | 278  | 5551916  | 51.26 | ng/ul | 100      |
| 91) Benzo(g,h,i)perylene   | 26.61 | 276  | 2970926  | 26.87 | ng/ul | 98       |

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

