

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080715\SOM02.2-REGULAR\  
 Data File : BM002254.D  
 Acq On : 08 Aug 2015 01:19  
 Operator : TP/UM  
 Sample : SSTD16012  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16012

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2015 7:13:16 PM

Quant Time: Aug 08 03:35:46 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 08 03:08:37 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.93  | 152  | 155636   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.80 | 136  | 763063   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.51 | 164  | 421292   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.22 | 188  | 884606   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.31 | 240  | 850026   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 25.00 | 264  | 846568   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d      | 0.00   | ng/uL |      |
| 5) Phenol-d5                   | 8.03  | 99  | 2246978 | 184.02 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 8.22  | 67  | 1290081 | 195.92 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0d      | 0.00   | ng/ul |      |
| 13) 4-Methylphenol-d8          | 9.63  | 113 | 1900517 | 185.76 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 0.00  | 128 | 0d      | 0.00   | ng/ul |      |
| 22) 2-Nitrophenol-d4           | 0.00  | 143 | 0d      | 0.00   | ng/ul |      |
| 26) 2,4-Dichlorophenol-d3      | 0.00  | 165 | 0d      | 0.00   | ng/ul |      |
| 29) 4-Chloroaniline-d4         | 11.92 | 131 | 1726503 | 119.57 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 0.00  | 166 | 0d      | 0.00   | ng/ul |      |
| 47) Acenaphthylene-d8          | 0.00  | 160 | 0d      | 0.00   | ng/ul |      |
| 52) 4-Nitrophenol-d4           | 15.67 | 143 | 1024210 | 228.44 | ng/ul | 0.04 |
| 58) Fluorene-d10               | 0.00  | 176 | 0d      | 0.00   | ng/ul |      |
| 63) 4,6-Dinitro-2-methylphenol | 16.59 | 200 | 673129  | 141.44 | ng/ul | 0.03 |
| 71) Anthracene-d10             | 0.00  | 188 | 0d      | 0.00   | ng/ul |      |
| 79) Pyrene-d10                 | 0.00  | 212 | 0d      | 0.00   | ng/ul |      |
| 90) Benzo(a)pyrene-d12         | 0.00  | 264 | 0d      | 0.00   | ng/ul |      |

## Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 4) Benzaldehyde                | 8.03  | 77  | 855239  | 133.02 | ng/ul  | 98     |
| 6) Phenol                      | 8.06  | 94  | 2300009 | 185.03 | ng/ul  | 99     |
| 8) Bis(2-Chloroethyl)ether     | 8.32  | 93  | 1717887 | 187.02 | ng/ul  | 99     |
| 11) 2-Methylphenol             | 9.36  | 108 | 1800193 | 183.54 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 9.46  | 45  | 3012099 | 277.59 | ng/ul  | 99     |
| 14) Acetophenone               | 9.79  | 105 | 2693412 | 167.63 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 9.71  | 108 | 1972480 | 183.41 | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 11.95 | 127 | 1749191 | 117.14 | ng/ul  | 99     |
| 32) Caprolactam                | 12.75 | 113 | 678887m | 193.74 | ng/ul  |        |
| 38) Hexachlorocyclopentadiene  | 13.72 | 237 | 1114778 | 170.32 | ng/ul  | 99     |
| 49) 3-Nitroaniline             | 15.41 | 138 | 966533  | 157.88 | ng/ul# | 96     |
| 51) 2,4-Dinitrophenol          | 15.60 | 184 | 469141  | 184.81 | ng/ul# | 1      |
| 53) 4-Nitrophenol              | 15.69 | 109 | 726617  | 192.37 | ng/ul  | 99     |
| 61) 4-Nitroaniline             | 16.57 | 138 | 1289970 | 202.99 | ng/ul  | 95     |
| 64) 4,6-Dinitro-2-methylphenol | 16.60 | 198 | 748114  | 151.45 | ng/ul# | 95     |
| 68) Atrazine                   | 17.64 | 200 | 1401216 | 139.83 | ng/ul  | 98     |
| 69) Pentachlorophenol          | 17.86 | 266 | 880972  | 291.95 | ng/ul  | 100    |
| 75) Carbazole                  | 18.60 | 167 | 6646910 | 159.54 | ng/ul  | 96     |
| 77) Fluoranthene               | 20.20 | 202 | 7314893 | 139.84 | ng/ul# | 92     |
| 82) 3,3'-Dichlorobenzidine     | 22.19 | 252 | 2149873 | 138.82 | ng/ul  | 99     |
| 87) Di-n-octyl phthalate       | 23.17 | 149 | 9397211 | 181.56 | ng/ul  | 100    |

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

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