

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051816\  
 Data File : BM005468.D  
 Acq On : 18 May 2016 13:53  
 Operator : UM/SJ  
 Sample : SSTD16043  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD16043

Manual Integrations  
 APPROVED

umangi  
 5/19/2016 7:15:21 PM

Quant Time: May 18 14:41:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM051816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 18 11:54:13 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 54777    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 296832   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 196777   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 521391   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.40 | 240  | 616339   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.69 | 264  | 781263   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |        |       |      |
|--------------------------------|-------|-----|--------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d     | 0.00   | ng/uL |      |
| 5) Phenol-d5                   | 7.00  | 99  | 780753 | 157.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 399775 | 141.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0d     | 0.00   | ng/ul |      |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 654244 | 159.33 | ng/ul | 0.01 |
| 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         | 10.76 | 131 | 348513 | 64.93  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 0.00  | 166 | 0d     | 0.00   | ng/ul |      |
| 46) Acenaphthylene-d8          | 0.00  | 160 | 0d     | 0.00   | ng/ul |      |
| 51) 4-Nitrophenol-d4           | 14.67 | 143 | 479471 | 166.53 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 0.00  | 176 | 0d     | 0.00   | ng/ul |      |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 420938 | 143.52 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 0.00  | 188 | 0d     | 0.00   | ng/ul |      |
| 76) Pyrene-d10                 | 0.00  | 212 | 0d     | 0.00   | ng/ul |      |
| 87) Benzo(a)pyrene-d12         | 0.00  | 264 | 0d     | 0.00   | ng/ul |      |

## Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 4) Benzaldehyde                | 6.98  | 77  | 207962  | 86.40  | ng/ul  | 98     |
| 6) Phenol                      | 7.03  | 94  | 808791  | 157.51 | ng/ul  | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 558452  | 144.46 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.27  | 108 | 639273  | 161.07 | ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37  | 45  | 769114  | 146.67 | ng/ul  | 99     |
| 14) Acetophenone               | 8.66  | 105 | 915224  | 150.43 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 8.62  | 108 | 693163  | 157.38 | ng/ul  | 94     |
| 30) 4-Chloroaniline            | 10.79 | 127 | 387535  | 70.80  | ng/ul  | 100    |
| 32) Caprolactam                | 11.58 | 113 | 261394m | 153.62 | ng/ul  |        |
| 37) Hexachlorocyclopentadiene  | 12.65 | 237 | 489487  | 160.06 | ng/ul  | 96     |
| 48) 3-Nitroaniline             | 14.38 | 138 | 407606  | 123.03 | ng/ul  | 99     |
| 50) 2,4-Dinitrophenol          | 14.58 | 184 | 327570  | 183.19 | ng/ul  | 97     |
| 52) 4-Nitrophenol              | 14.69 | 109 | 431881  | 180.42 | ng/ul  | 90     |
| 60) 4-Nitroaniline             | 15.56 | 138 | 578382  | 164.70 | ng/ul  | 92     |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 451055  | 146.35 | ng/ul# | 91     |
| 67) Atrazine                   | 16.69 | 200 | 581614  | 111.63 | ng/ul  | 98     |
| 68) Pentachlorophenol          | 16.86 | 266 | 559987  | 179.75 | ng/ul  | 97     |
| 72) Carbazole                  | 17.62 | 167 | 3362795 | 139.84 | ng/ul  | 99     |
| 74) Fluoranthene               | 19.27 | 202 | 4226299 | 139.14 | ng/ul  | 97     |
| 79) 3,3'-Dichlorobenzidine     | 21.32 | 252 | 1397942 | 126.17 | ng/ul# | 99     |
| 84) Di-n-octyl phthalate       | 22.22 | 149 | 5330543 | 116.81 | ng/ul  | 99     |

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

