

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\  
 Data File : BM005052.D  
 Acq On : 25 Apr 2016 19:12  
 Operator : UM/SJ  
 Sample : SSTD16040  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16040

Manual Integrations  
 APPROVED

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 4/26/2016 5:58:31 PM

Quant Time: Apr 25 19:53:29 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 25 17:47:06 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 44949    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 206676   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 124608   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 296658   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 268698   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.67 | 264  | 252146   | 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                   | 6.99  | 99  | 577632 | 155.47 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 309526 | 147.18 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0d     | 0.00   | ng/ul |      |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 490303 | 155.45 | 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         | 10.74 | 131 | 403131 | 112.84 | ng/ul | 0.01 |
| 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           | 14.68 | 143 | 276604 | 161.52 | ng/ul | 0.04 |
| 57) Fluorene-d10               | 0.00  | 176 | 0d     | 0.00   | ng/ul |      |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 272016 | 161.92 | ng/ul | 0.03 |
| 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

|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 4) Benzaldehyde                | 6.95  | 77  | 127757  | 70.01  | ng/ul  | 99     |
| 6) Phenol                      | 7.02  | 94  | 584014  | 150.97 | ng/ul  | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.24  | 93  | 434668  | 147.20 | ng/ul  | 99     |
| 11) 2-Methylphenol             | 8.25  | 108 | 464492  | 153.56 | ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.34  | 45  | 553635  | 145.54 | ng/ul  | 100    |
| 14) Acetophenone               | 8.64  | 105 | 662837  | 139.70 | ng/ul  | 99     |
| 16) 4-Methylphenol             | 8.60  | 108 | 509117  | 151.83 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.76 | 127 | 411459  | 112.72 | ng/ul  | 100    |
| 32) Caprolactam                | 11.59 | 113 | 179275m | 163.57 | ng/ul  |        |
| 37) Hexachlorocyclopentadiene  | 12.61 | 237 | 387407  | 167.55 | ng/ul  | 96     |
| 48) 3-Nitroaniline             | 14.37 | 138 | 287990  | 148.48 | ng/ul  | 96     |
| 50) 2,4-Dinitrophenol          | 14.58 | 184 | 224451  | 201.35 | ng/ul  | 93     |
| 52) 4-Nitrophenol              | 14.70 | 109 | 253171  | 166.57 | ng/ul  | 85     |
| 60) 4-Nitroaniline             | 15.56 | 138 | 323632  | 154.56 | ng/ul  | 88     |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 279561  | 158.36 | ng/ul# | 96     |
| 67) Atrazine                   | 16.67 | 200 | 430114  | 141.80 | ng/ul  | 98     |
| 68) Pentachlorophenol          | 16.84 | 266 | 312775  | 164.88 | ng/ul  | 100    |
| 72) Carbazole                  | 17.60 | 167 | 1808827 | 132.24 | ng/ul  | 97     |
| 74) Fluoranthene               | 19.26 | 202 | 2193627 | 126.86 | ng/ul# | 95     |
| 79) 3,3'-Dichlorobenzidine     | 21.31 | 252 | 691817  | 146.02 | ng/ul  | 98     |
| 84) Di-n-octyl phthalate       | 22.18 | 149 | 2432946 | 151.46 | ng/ul  | 97     |

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

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