

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032317\  
 Data File : BM009343.D  
 Acq On : 23 Mar 2017 14:50  
 Operator : SJ/MA  
 Sample : SSTD16056  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16056

Manual Integrations  
 APPROVED

mohammad  
 3/24/2017 4:09:13 PM

Quant Time: Mar 23 19:18:06 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 21 03:09:49 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 184333   | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.66 | 136  | 748224   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.50 | 164  | 525835   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.26 | 188  | 1051558  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.43 | 240  | 1373824  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.76 | 264  | 1233016  | 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                   | 7.03  | 99  | 2864470 | 143.64 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.20  | 67  | 1989447 | 153.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0d      | 0.00   | ng/ul |      |
| 13) 4-Methylphenol-d8          | 8.58  | 113 | 2142402 | 134.67 | ng/ul | 0.00 |
| 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         | 10.81 | 131 | 1876913 | 124.23 | 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           | 14.73 | 143 | 1160082 | 146.32 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 0.00  | 176 | 0d      | 0.00   | ng/ul |      |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 1259282 | 200.16 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 0.00  | 188 | 0d      | 0.00   | ng/ul |      |
| 78) Pyrene-d10                 | 0.00  | 212 | 0d      | 0.00   | ng/ul |      |
| 89) Benzo(a)pyrene-d12         | 0.00  | 264 | 0d      | 0.00   | ng/ul |      |

## Target Compounds

|                                |       |     |          |        |        | Qvalue |
|--------------------------------|-------|-----|----------|--------|--------|--------|
| 4) Benzaldehyde                | 7.01  | 77  | 1189688  | 89.02  | ng/ul  | 81     |
| 6) Phenol                      | 7.06  | 94  | 3037085  | 142.62 | ng/ul# | 81     |
| 8) Bis(2-Chloroethyl)ether     | 7.29  | 93  | 2353219  | 154.28 | ng/ul# | 80     |
| 11) 2-Methylphenol             | 8.30  | 108 | 2150539  | 139.40 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 3769460  | 148.35 | ng/ul# | 86     |
| 14) Acetophenone               | 8.70  | 105 | 3584115  | 134.12 | ng/ul# | 76     |
| 16) 4-Methylphenol             | 8.65  | 108 | 2297741  | 131.37 | ng/ul  | 100    |
| 30) 4-Chloroaniline            | 10.83 | 127 | 1972360  | 123.19 | ng/ul  | 100    |
| 32) Caprolactam                | 11.66 | 113 | 637076m  | 121.63 | ng/ul  |        |
| 37) Hexachlorocyclopentadiene  | 12.66 | 237 | 1913830  | 214.03 | ng/ul  | 98     |
| 48) 3-Nitroaniline             | 14.43 | 138 | 1039907  | 126.71 | ng/ul# | 78     |
| 50) 2,4-Dinitrophenol          | 14.63 | 184 | 945323   | 187.12 | ng/ul# | 81     |
| 52) 4-Nitrophenol              | 14.75 | 109 | 1329511  | 143.56 | ng/ul# | 77     |
| 60) 4-Nitroaniline             | 15.61 | 138 | 1118744m | 120.08 | ng/ul  |        |
| 63) 4,6-Dinitro-2-methylphenol | 15.66 | 198 | 1305414  | 197.58 | ng/ul  | 95     |
| 67) Atrazine                   | 16.73 | 200 | 2101948  | 170.12 | ng/ul  | 94     |
| 68) Pentachlorophenol          | 16.90 | 266 | 1491275  | 179.63 | ng/ul  | 99     |
| 74) Carbazole                  | 17.67 | 167 | 9257779  | 166.18 | ng/ul  | 98     |
| 76) Fluoranthene               | 19.31 | 202 | 11901025 | 161.34 | ng/ul  | 99     |
| 81) 3,3'-Dichlorobenzidine     | 21.35 | 252 | 3780439  | 145.28 | ng/ul  | 98     |
| 86) Di-n-octyl phthalate       | 22.23 | 149 | 12382368 | 186.74 | ng/ul# | 78     |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032317\  
Data File : BM009343.D  
Acq On : 23 Mar 2017 14:50  
Operator : SJ/MA  
Sample : SSTD16056  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD16056

Manual Integrations  
APPROVED

mohammad  
3/24/2017 4:09:13 PM

Quant Time: Mar 23 19:18:06 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 21 03:09:49 2017  
Response via : Initial Calibration

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032317\  
Data File : BM009343.D  
Acq On : 23 Mar 2017 14:50  
Operator : SJ/MA  
Sample : SSTD16056  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD16056

Manual Integrations  
APPROVED

mohammad  
3/24/2017 4:09:13 PM

Quant Time: Mar 23 19:18:06 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 21 03:09:49 2017  
Response via : Initial Calibration

