

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040119\  
 Data File : BM019658.D  
 Acq On : 01 Apr 2019 16:58  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02090

Manual Integrations  
 APPROVED

Sohil  
 4/2/2019 5:31:11 PM

Quant Time: Apr 02 07:06:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 01 07:20:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 146565   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.35 | 136  | 657378   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.23 | 164  | 370994   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.99 | 188  | 797148   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.20 | 240  | 896970   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.40 | 264  | 869208   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 29359  | 7.84  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 263923 | 20.22 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 172120 | 19.70 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 203353 | 20.56 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 201318 | 20.55 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 93380  | 19.91 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 109597 | 21.00 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 202844 | 20.60 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 255458 | 21.60 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.65 | 166 | 596570 | 19.93 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 754115 | 20.15 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 89116  | 18.99 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.23 | 176 | 510588 | 19.80 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 88977  | 16.88 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.09 | 188 | 768681 | 20.09 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.40 | 212 | 814432 | 19.66 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.26 | 264 | 932408 | 20.23 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 32128   | 7.543  | ng/uL  | 87  |
| 4) Benzaldehyde                | 6.74  | 77  | 197225  | 21.096 | ng/ul  | 98  |
| 6) Phenol                      | 6.78  | 94  | 266468  | 19.565 | ng/ul  | 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 202216  | 19.408 | ng/ul  | 97  |
| 10) 2-Chlorophenol             | 7.13  | 128 | 205970  | 20.483 | ng/ul  | 96  |
| 11) 2-Methylphenol             | 8.02  | 108 | 191482  | 20.159 | ng/ul  | 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 207905m | 21.051 | ng/ul  |     |
| 14) Acetophenone               | 8.40  | 105 | 314396  | 19.705 | ng/ul  | 91  |
| 15) N-Nitroso-di-n-propylamine | 8.38  | 70  | 187622  | 20.984 | ng/ul# | 87  |
| 16) 4-Methylphenol             | 8.35  | 108 | 214769  | 20.616 | ng/ul  | 97  |
| 17) Hexachloroethane           | 8.62  | 117 | 83172   | 19.680 | ng/ul  | 82  |
| 20) Nitrobenzene               | 8.78  | 77  | 269009  | 19.271 | ng/ul  | 99  |
| 21) Isophorone                 | 9.29  | 82  | 499399  | 20.854 | ng/ul  | 97  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 120492  | 20.929 | ng/ul  | 96  |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 251956  | 20.140 | ng/ul  | 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 291271  | 20.156 | ng/ul  | 98  |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 200829  | 20.637 | ng/ul  | 96  |
| 28) Naphthalene                | 10.40 | 128 | 675882  | 19.847 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.53 | 127 | 264691  | 21.259 | ng/ul  | 100 |
| 31) Hexachlorobutadiene        | 10.66 | 225 | 114204  | 18.603 | ng/ul  | 95  |
| 32) Caprolactam                | 11.35 | 113 | 63944   | 22.131 | ng/ul# | 79  |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 222395  | 21.202 | ng/ul  | 97  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 477736  | 20.020 | ng/ul  | 99  |

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 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02090

Manual Integrations  
 APPROVED

Sohil  
 4/2/2019 5:31:11 PM

Quant Time: Apr 02 07:06:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 01 07:20:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 35) 1-Methylnaphthalene        | 12.24 | 142  | 447217   | 19.849 | ng/ul  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 217936   | 18.461 | ng/ul# | 95       |
| 38) Hexachlorocyclopentadiene  | 12.35 | 237  | 104054   | 17.184 | ng/ul# | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.65 | 196  | 148887   | 20.215 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.73 | 196  | 159766   | 20.226 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 13.05 | 154  | 612424   | 19.382 | ng/ul# | 95       |
| 42) 2-Chloronaphthalene        | 13.10 | 162  | 469759   | 19.413 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.33 | 65   | 146848   | 22.098 | ng/ul  | 89       |
| 45) Dimethylphthalate          | 13.70 | 163  | 599071   | 19.946 | ng/ul# | 98       |
| 46) 2,6-Dinitrotoluene         | 13.83 | 165  | 119195   | 21.618 | ng/ul  | 91       |
| 48) Acenaphthylene             | 13.95 | 152  | 746253   | 20.115 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.17 | 138  | 117061   | 21.696 | ng/ul  | 93       |
| 50) Acenaphthene               | 14.29 | 153  | 511681   | 19.583 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.39 | 184  | 68087    | 21.327 | ng/ul# | 74       |
| 53) 4-Nitrophenol              | 14.49 | 109  | 72482    | 19.736 | ng/ul# | 80       |
| 54) Dibenzofuran               | 14.63 | 168  | 719487   | 19.719 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.63 | 165  | 178696   | 21.886 | ng/ul# | 50       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 133408   | 20.049 | ng/ul# | 79       |
| 57) Diethylphthalate           | 15.07 | 149  | 610551   | 20.667 | ng/ul  | 95       |
| 59) Fluorene                   | 15.29 | 166  | 578763   | 20.016 | ng/ul  | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.29 | 204  | 273138   | 18.936 | ng/ul  | 92       |
| 61) 4-Nitroaniline             | 15.34 | 138  | 122865   | 20.861 | ng/ul# | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 93798    | 16.807 | ng/ul# | 83       |
| 65) N-Nitrosodiphenylamine     | 15.50 | 169  | 495780   | 19.991 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.18 | 248  | 166456   | 19.228 | ng/ul# | 92       |
| 67) Hexachlorobenzene          | 16.29 | 284  | 201490   | 19.221 | ng/ul# | 89       |
| 68) Atrazine                   | 16.47 | 200  | 169587   | 19.540 | ng/ul  | 95       |
| 69) Pentachlorophenol          | 16.64 | 266  | 103875   | 18.959 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.03 | 178  | 892724   | 19.752 | ng/ul  | 100      |
| 72) Anthracene                 | 17.13 | 178  | 924666   | 20.053 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 214143   | 18.529 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.54 | 250  | 224279   | 18.553 | ng/uL  | 98       |
| 75) Carbazole                  | 17.41 | 167  | 830781   | 20.090 | ng/ul# | 96       |
| 76) Di-n-butylphthalate        | 17.96 | 149  | 1017017  | 22.187 | ng/ul  | 100      |
| 77) Fluoranthene               | 19.06 | 202  | 1024657  | 19.785 | ng/ul# | 86       |
| 80) Pvrene                     | 19.43 | 202  | 1064276  | 19.722 | ng/ul# | 83       |
| 81) Butylbenzylphthalate       | 20.34 | 149  | 492728   | 23.061 | ng/ul# | 91       |
| 82) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 398023   | 20.426 | ng/ul# | 96       |
| 83) Benzo(a)anthracene         | 21.19 | 228  | 1077834  | 19.964 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 726742   | 23.466 | ng/ul  | 95       |
| 85) Chrysene                   | 21.24 | 228  | 1006635  | 19.432 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.97 | 149  | 1292105  | 23.832 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.74 | 252  | 1077928  | 20.359 | ng/ul# | 96       |
| 89) Benzo(k)fluoranthene       | 22.79 | 252  | 1065443  | 20.955 | ng/ul# | 97       |
| 91) Benzo(a)pyrene             | 23.31 | 252  | 1006239  | 19.880 | ng/ul# | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 1114922  | 17.591 | ng/ul# | 85       |
| 93) Dibenzo(a,h)anthracene     | 25.63 | 278  | 961778   | 17.799 | ng/ul# | 95       |
| 94) Benzo(a,h,i)perylene       | 26.30 | 276  | 898779   | 16.969 | ng/ul# | 91       |
| -----                          |       |      |          |        |        |          |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02090

Manual Integrations  
APPROVED

Sohil  
4/2/2019 5:31:11 PM

Quant Time: Apr 02 07:06:21 2019  
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QLast Update : Mon Apr 01 07:20:18 2019  
Response via : Initial Calibration

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

