

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072319\  
 Data File : BM021606.D  
 Acq On : 23 Jul 2019 09:23  
 Operator : HP/JU  
 Sample : SSTD00529  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD00529

Quant Time: Jul 23 12:34:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 23 11:52:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 113251   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 507394   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 363199   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 960915   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 1092431  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.54 | 264  | 1231786  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 4432   | 1.93 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 0.00  | 99  | 0d     | 0.00 | ng/ul |      |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0d     | 0.00 | ng/ul |      |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 36605  | 4.83 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0d     | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 17271  | 4.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 17670  | 3.74 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 43430  | 4.61 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |      |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 154795 | 4.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 185417 | 4.64 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 57) Fluorene-d10               | 15.34 | 176 | 141215 | 4.97 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d     | 0.00 | ng/ul |      |
| 70) Anthracene-d10             | 17.20 | 188 | 229974 | 4.61 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.50 | 212 | 264565 | 4.41 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.40 | 264 | 299119 | 4.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 5815   | 2.406 | ng/uL# 82 |
| 10) 2-Chlorophenol             | 7.27  | 128 | 36936  | 5.071 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.51  | 70  | 29586  | 5.585 | ng/ul 96  |
| 17) Hexachloroethane           | 8.76  | 117 | 17719  | 5.563 | ng/ul 92  |
| 20) Nitrobenzene               | 8.91  | 77  | 48469  | 5.178 | ng/ul 100 |
| 21) Isophorone                 | 9.43  | 82  | 90228  | 5.438 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.62  | 139 | 19082  | 4.054 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.67  | 107 | 45366  | 4.954 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.92  | 93  | 54416  | 5.258 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 43090  | 4.998 | ng/ul 97  |
| 28) Naphthalene                | 10.53 | 128 | 139722 | 5.291 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.80 | 225 | 32256  | 5.062 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 45003  | 5.607 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 107062 | 5.500 | ng/ul 99  |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 65692  | 4.651 | ng/ul 99  |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196 | 36904  | 4.390 | ng/ul 99  |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196 | 40043  | 4.494 | ng/ul 98  |
| 40) 1,1'-Biphenyl              | 13.18 | 154 | 150486 | 4.950 | ng/ul 99  |
| 41) 2-Chloronaphthalene        | 13.22 | 162 | 117593 | 4.827 | ng/ul 99  |
| 42) 2-Nitroaniline             | 13.44 | 65  | 19152  | 3.598 | ng/ul 93  |
| 44) Dimethylphthalate          | 13.82 | 163 | 158062 | 5.336 | ng/ul 98  |
| 45) 2,6-Dinitrotoluene         | 13.94 | 165 | 18767  | 3.479 | ng/ul# 83 |
| 47) Acenaphthylene             | 14.07 | 152 | 175020 | 5.037 | ng/ul 99  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072319\  
 Data File : BM021606.D  
 Acq On : 23 Jul 2019 09:23  
 Operator : HP/JU  
 Sample : SSTD00529  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD00529

Quant Time: Jul 23 12:34:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 23 11:52:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 49) Acenaphthene               | 14.41 | 153  | 133325   | 5.280 | ng/ul | 97       |
| 53) Dibenzofuran               | 14.75 | 168  | 198140   | 5.417 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.74 | 165  | 35611    | 4.305 | ng/ul | 90       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 38313    | 4.825 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.18 | 149  | 145853   | 5.129 | ng/ul | 99       |
| 58) Fluorene                   | 15.40 | 166  | 162196   | 5.481 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 90734    | 5.487 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.62 | 169  | 133345   | 4.665 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 55109    | 4.635 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 69352    | 4.906 | ng/ul | 97       |
| 69) Phenanthrene               | 17.14 | 178  | 282612   | 5.216 | ng/ul | 99       |
| 71) Anthracene                 | 17.23 | 178  | 277239   | 5.027 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.14 | 216  | 66711    | 4.235 | ng/uL | 100      |
| 73) Pentachlorobenzene         | 14.66 | 250  | 79656    | 4.909 | ng/uL | 97       |
| 75) Di-n-butylphthalate        | 18.07 | 149  | 207175   | 3.951 | ng/ul | 99       |
| 79) Pyrene                     | 19.53 | 202  | 349261   | 4.831 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 81733    | 3.191 | ng/ul | 98       |
| 82) Benzo(a)anthracene         | 21.28 | 228  | 377277   | 5.043 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 119493   | 3.172 | ng/ul | 97       |
| 84) Chrysene                   | 21.33 | 228  | 368523   | 5.240 | ng/ul | 99       |
| 87) Benzo(b)fluoranthene       | 22.87 | 252  | 377916   | 4.923 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.91 | 252  | 393684   | 5.149 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.44 | 252  | 362017   | 4.883 | ng/ul | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.80 | 276  | 415902   | 4.541 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.81 | 278  | 346269   | 4.498 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.50 | 276  | 340641   | 4.508 | ng/ul | 98       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072319\  
Data File : BM021606.D  
Acq On : 23 Jul 2019 09:23  
Operator : HP/JU  
Sample : SSTD00529  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD00529

Quant Time: Jul 23 12:34:12 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 23 11:52:52 2019  
Response via : Initial Calibration

