

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP022321\  
 Data File : BP004853.D  
 Acq On : 23 Feb 2021 10:49  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD02011

Quant Time: Feb 23 14:29:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP022221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 23 11:27:12 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 47829    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.55 | 136  | 177289   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.40 | 164  | 107779   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.16 | 188  | 226553   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.25 | 240  | 234384   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.55 | 264  | 229229   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 10010  | 8.15  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.67  | 84  | 61296  | 19.15 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.93  | 99  | 76692  | 19.38 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 40638  | 19.66 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.29  | 132 | 64136  | 19.99 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.47  | 113 | 59423  | 19.05 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.91  | 128 | 29586  | 20.24 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.63  | 143 | 32844  | 19.36 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 62974  | 20.34 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.69 | 131 | 79978  | 19.98 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.81 | 166 | 176707 | 20.74 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.09 | 160 | 203990 | 20.33 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.62 | 143 | 30114  | 19.91 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.40 | 176 | 147819 | 20.34 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 30404  | 18.70 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.26 | 188 | 234330 | 20.96 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.50 | 212 | 260794 | 20.89 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.40 | 264 | 269073 | 20.95 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue   |
|--------------------------------|-------|-----|--------|--------|----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 10306  | 8.244  | ng/uL 97 |
| 5) Pyridine                    | 3.69  | 79  | 60913  | 19.383 | ng/ul 97 |
| 6) Benzaldehyde                | 6.90  | 77  | 52036  | 25.125 | ng/ul 93 |
| 8) Phenol                      | 6.96  | 94  | 80144  | 19.277 | ng/ul 97 |
| 10) Bis(2-Chloroethyl)ether    | 7.18  | 93  | 61544  | 19.554 | ng/ul 98 |
| 12) 2-Chlorophenol             | 7.32  | 128 | 67669  | 20.080 | ng/ul 97 |
| 13) 2-Methylphenol             | 8.20  | 108 | 60033  | 19.108 | ng/ul 91 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 49636  | 19.088 | ng/ul 98 |
| 16) Acetophenone               | 8.58  | 105 | 100769 | 19.408 | ng/ul 93 |
| 17) N-Nitroso-di-n-propylamine | 8.56  | 70  | 41835  | 19.388 | ng/ul 98 |
| 18) 4-Methylphenol             | 8.53  | 108 | 63993  | 19.133 | ng/ul 95 |
| 19) Hexachloroethane           | 8.83  | 117 | 30782  | 20.464 | ng/ul 96 |
| 22) Nitrobenzene               | 8.95  | 77  | 75910  | 20.806 | ng/ul 99 |
| 23) Isophorone                 | 9.48  | 82  | 125669 | 20.308 | ng/ul 98 |
| 25) 2-Nitrophenol              | 9.66  | 139 | 36834  | 20.316 | ng/ul 97 |
| 26) 2,4-Dimethylphenol         | 9.73  | 107 | 77317  | 20.431 | ng/ul 98 |
| 27) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 77035  | 20.304 | ng/ul 96 |
| 29) 2,4-Dichlorophenol         | 10.20 | 162 | 63882  | 21.138 | ng/ul 96 |
| 30) Naphthalene                | 10.59 | 128 | 206428 | 20.596 | ng/ul 98 |
| 32) 4-Chloroaniline            | 10.71 | 127 | 82883  | 20.272 | ng/ul 99 |
| 33) Hexachlorobutadiene        | 10.88 | 225 | 48981  | 21.027 | ng/ul 98 |
| 34) Caprolactam                | 11.49 | 113 | 18122  | 19.372 | ng/ul 90 |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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Quant Time: Feb 23 14:29:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP022221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 23 11:27:12 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.85 | 107  | 69821    | 21.423 | ng/ul | 89       |
| 36) 2-Methylnaphthalene        | 12.21 | 142  | 147366   | 20.858 | ng/ul | 99       |
| 37) 1-Methylnaphthalene        | 12.43 | 142  | 143460   | 20.816 | ng/ul | 96       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.58 | 216  | 84810    | 20.648 | ng/ul | 95       |
| 40) Hexachlorocyclopentadiene  | 12.56 | 237  | 54233    | 19.655 | ng/ul | 95       |
| 41) 2,4,6-Trichlorophenol      | 12.83 | 196  | 50889    | 20.190 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol      | 12.90 | 196  | 54178    | 20.079 | ng/ul | 95       |
| 43) 1,1'-Biphenyl              | 13.23 | 154  | 186453   | 20.559 | ng/ul | 98       |
| 44) 2-Chloronaphthalene        | 13.27 | 162  | 145678   | 20.322 | ng/ul | 99       |
| 45) 2-Nitroaniline             | 13.48 | 65   | 40585    | 20.949 | ng/ul | 95       |
| 47) Dimethylphthalate          | 13.86 | 163  | 178508   | 20.532 | ng/ul | 98       |
| 48) 2,6-Dinitrotoluene         | 13.98 | 165  | 36682    | 20.225 | ng/ul | 93       |
| 50) Acenaphthylene             | 14.12 | 152  | 210215   | 20.530 | ng/ul | 98       |
| 51) 3-Nitroaniline             | 14.31 | 138  | 35882    | 21.494 | ng/ul | 96       |
| 52) Acenaphthene               | 14.47 | 153  | 153800   | 20.779 | ng/ul | 95       |
| 53) 2,4-Dinitrophenol          | 14.52 | 184  | 19603    | 18.174 | ng/ul | 99       |
| 55) 4-Nitrophenol              | 14.63 | 109  | 31699    | 20.508 | ng/ul | 96       |
| 56) Dibenzofuran               | 14.80 | 168  | 217465   | 20.747 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene         | 14.77 | 165  | 51871    | 20.770 | ng/ul | 93       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 48826    | 21.083 | ng/ul | 95       |
| 59) Diethylphthalate           | 15.23 | 149  | 177510   | 20.497 | ng/ul | 99       |
| 61) Fluorene                   | 15.46 | 166  | 178206   | 20.699 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenylether | 15.45 | 204  | 96054    | 20.711 | ng/ul | 94       |
| 63) 4-Nitroaniline             | 15.48 | 138  | 34034    | 21.471 | ng/ul | 94       |
| 66) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 31854    | 19.390 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine     | 15.66 | 169  | 152007   | 20.640 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether  | 16.35 | 248  | 58209    | 20.459 | ng/ul | 95       |
| 69) Hexachlorobenzene          | 16.46 | 284  | 65639    | 21.119 | ng/ul | 98       |
| 70) Atrazine                   | 16.63 | 200  | 59974    | 20.168 | ng/ul | 99       |
| 71) Pentachlorophenol          | 16.81 | 266  | 36928    | 20.092 | ng/ul | 99       |
| 72) Phenanthrene               | 17.20 | 178  | 275163   | 20.633 | ng/ul | 99       |
| 74) Anthracene                 | 17.29 | 178  | 283004   | 20.787 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.19 | 216  | 85253    | 20.579 | ng/uL | 99       |
| 76) Pentachlorobenzene         | 14.72 | 250  | 85559    | 20.700 | ng/uL | 96       |
| 77) Carbazole                  | 17.57 | 167  | 240286   | 20.134 | ng/ul | 98       |
| 78) Di-n-butylphthalate        | 18.12 | 149  | 292358   | 20.360 | ng/ul | 100      |
| 80) Fluoranthene               | 19.17 | 202  | 322894   | 20.581 | ng/ul | 99       |
| 82) Pyrene                     | 19.53 | 202  | 332408   | 20.637 | ng/ul | 100      |
| 83) Butylbenzylphthalate       | 20.40 | 149  | 131553   | 20.414 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 119676   | 20.733 | ng/ul | 96       |
| 85) Benzo(a)anthracene         | 21.23 | 228  | 324612   | 20.702 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 190849   | 19.492 | ng/ul | 96       |
| 87) Chrysene                   | 21.28 | 228  | 318561   | 20.882 | ng/ul | 98       |
| 89) Di-n-octyl phthalate       | 22.05 | 149  | 323464   | 19.198 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene       | 22.85 | 252  | 335601   | 21.141 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene       | 22.90 | 252  | 316568   | 20.582 | ng/ul | 99       |
| 93) Benzo(a)pyrene             | 23.44 | 252  | 288389   | 20.821 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 363115   | 20.726 | ng/ul | 97       |
| 95) Dibenzo(a,h)anthracene     | 25.93 | 278  | 309355   | 20.802 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene       | 26.63 | 276  | 301254   | 20.793 | ng/ul | 99       |

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP022221.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Feb 23 11:27:12 2021  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

