

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\  
 Data File : BM025605.D  
 Acq On : 17 Mar 2020 07:16  
 Operator : CG/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 17 08:07:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 17 07:33:38 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 189860   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 791622   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 518178   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.01 | 188  | 1131704  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.20 | 240  | 1144059  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.38 | 264  | 1328634  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 37259   | 8.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 314159  | 20.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 177907  | 20.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 260943  | 21.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 261412  | 21.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 129060  | 21.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 139591  | 22.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 279672  | 21.86 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 311593  | 20.98 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 822407  | 20.88 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 1001231 | 21.22 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 150581  | 20.08 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.26 | 176 | 717892  | 20.77 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 80214   | 11.62 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.11 | 188 | 1109922 | 21.00 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.40 | 212 | 1201029 | 21.86 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.24 | 264 | 1430237 | 21.03 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 40746  | 8.362  | ng/uL 93  |
| 4) Benzaldehyde                | 6.79  | 77  | 118059 | 14.876 | ng/ul 97  |
| 6) Phenol                      | 6.85  | 94  | 326895 | 20.891 | ng/ul 96  |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 257977 | 20.819 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 273267 | 21.346 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.08  | 108 | 248375 | 20.745 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17  | 45  | 349417 | 21.134 | ng/ul 97  |
| 14) Acetophenone               | 8.45  | 105 | 398215 | 20.969 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.44  | 70  | 203624 | 21.403 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.40  | 108 | 274723 | 21.018 | ng/ul 100 |
| 17) Hexachloroethane           | 8.70  | 117 | 112067 | 21.057 | ng/ul 97  |
| 20) Nitrobenzene               | 8.82  | 77  | 305046 | 21.281 | ng/ul 98  |
| 21) Isophorone                 | 9.35  | 82  | 568753 | 21.486 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.52  | 139 | 153882 | 21.905 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 303656 | 21.316 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 358511 | 21.131 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 277245 | 21.846 | ng/ul 99  |
| 28) Naphthalene                | 10.45 | 128 | 907555 | 21.051 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.56 | 127 | 309680 | 20.548 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.75 | 225 | 171408 | 20.673 | ng/ul 99  |
| 32) Caprolactam                | 11.32 | 113 | 89913m | 21.424 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 291105 | 22.065 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 649618 | 21.096 | ng/ul 98  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 17 07:33:38 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.29 | 142  | 645930   | 21.034 | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 339933   | 20.742 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.43 | 237  | 198363   | 17.735 | ng/ul  | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.69 | 196  | 221548   | 21.263 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 240133   | 21.173 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 860107   | 20.774 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.13 | 162  | 672014   | 20.608 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.34 | 65   | 179930   | 22.077 | ng/ul  | 98       |
| 45) Dimethylphthalate          | 13.73 | 163  | 859146   | 20.958 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.85 | 165  | 176336   | 21.870 | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.99 | 152  | 1072056  | 20.979 | ng/ul  | 100      |
| 49) 3-Nitroaniline             | 14.17 | 138  | 143319   | 19.703 | ng/ul  | 95       |
| 50) Acenaphthene               | 14.33 | 153  | 726069   | 20.901 | ng/ul  | 100      |
| 51) 2,4-Dinitrophenol          | 14.38 | 184  | 20889    | 4.318  | ng/ul# | 89       |
| 53) 4-Nitrophenol              | 14.49 | 109  | 117362   | 20.024 | ng/ul  | 98       |
| 54) Dibenzofuran               | 14.67 | 168  | 1021816  | 20.735 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.63 | 165  | 252806   | 21.446 | ng/ul  | 93       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 206710   | 20.109 | ng/ul  | 97       |
| 57) Diethylphthalate           | 15.11 | 149  | 862900   | 20.536 | ng/ul  | 99       |
| 59) Fluorene                   | 15.32 | 166  | 862375   | 20.804 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204  | 432509   | 20.387 | ng/ul  | 99       |
| 61) 4-Nitroaniline             | 15.33 | 138  | 181221   | 20.937 | ng/ul  | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 84995    | 11.256 | ng/ul  | 95       |
| 65) N-Nitrosodiphenylamine     | 15.53 | 169  | 735653   | 21.036 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.21 | 248  | 289207   | 20.722 | ng/ul  | 99       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 348437   | 20.333 | ng/ul  | 99       |
| 68) Atrazine                   | 16.49 | 200  | 270403   | 20.501 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.67 | 266  | 110208   | 11.012 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.06 | 178  | 1378190  | 20.689 | ng/ul  | 99       |
| 72) Anthracene                 | 17.14 | 178  | 1422451  | 20.953 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 359465   | 20.729 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.59 | 250  | 398173   | 20.627 | ng/uL  | 99       |
| 75) Carbazole                  | 17.42 | 167  | 1217821  | 20.526 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 1491669  | 21.534 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.07 | 202  | 1604796  | 20.438 | ng/ul  | 99       |
| 80) Pvrene                     | 19.43 | 202  | 1643990  | 21.396 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.36 | 149  | 664101   | 22.694 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 381737   | 14.685 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.19 | 228  | 1618117  | 21.453 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 1015928  | 22.381 | ng/ul  | 99       |
| 85) Chrysene                   | 21.24 | 228  | 1552012  | 20.972 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 22.01 | 149  | 1695185  | 21.293 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.73 | 252  | 1773858  | 21.398 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.78 | 252  | 1689254  | 20.685 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.29 | 252  | 1595494  | 21.149 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.54 | 276  | 2046222  | 20.538 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.56 | 278  | 1723483  | 20.429 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.20 | 276  | 1685088  | 20.522 | ng/ul  | 99       |

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Acq On : 17 Mar 2020 07:16  
Operator : CG/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 17 07:33:38 2020  
Response via : Initial Calibration

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

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