

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM060120\  
 Data File : BM026216.D  
 Acq On : 02 Jun 2020 02:41  
 Operator : JU/CG  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02089

Quant Time: Jun 02 03:37:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 01 16:59:35 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 149701   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.23 | 136  | 596546   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 350426   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.87 | 188  | 732574   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.07 | 240  | 744735   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.18 | 264  | 794714   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 32810  | 6.61  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.68  | 99  | 271588 | 20.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67  | 178931 | 19.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.01  | 132 | 207150 | 19.49 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.19  | 113 | 207875 | 20.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.62  | 128 | 98095  | 20.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.33  | 143 | 110349 | 22.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165 | 197336 | 20.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.38 | 131 | 252649 | 25.79 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.55 | 166 | 533165 | 18.97 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.80 | 160 | 659730 | 19.82 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.35 | 143 | 98484  | 19.79 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.12 | 176 | 465751 | 19.05 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 80541  | 18.86 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.97 | 188 | 703945 | 19.50 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.27 | 212 | 774171 | 20.24 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.05 | 264 | 831678 | 19.66 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 35694  | 6.92  | ng/uL | 88     |
| 4) Benzaldehyde                | 6.63  | 77  | 179831 | 20.35 | ng/ul | 92     |
| 6) Phenol                      | 6.70  | 94  | 300870 | 19.76 | ng/ul | 96     |
| 8) Bis(2-Chloroethyl)ether     | 6.92  | 93  | 226089 | 19.30 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.05  | 128 | 226554 | 19.55 | ng/ul | 94     |
| 11) 2-Methylphenol             | 7.93  | 108 | 211124 | 20.13 | ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.01  | 45  | 393098 | 18.49 | ng/ul | 98     |
| 14) Acetophenone               | 8.29  | 105 | 341341 | 19.88 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.28  | 70  | 189111 | 18.69 | ng/ul | 94     |
| 16) 4-Methylphenol             | 8.26  | 108 | 227369 | 19.93 | ng/ul | 97     |
| 17) Hexachloroethane           | 8.53  | 117 | 96895  | 19.49 | ng/ul | 97     |
| 20) Nitrobenzene               | 8.66  | 77  | 274065 | 18.35 | ng/ul | 93     |
| 21) Isophorone                 | 9.19  | 82  | 488048 | 19.65 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.36  | 139 | 121453 | 21.72 | ng/ul | 88     |
| 24) 2,4-Dimethylphenol         | 9.44  | 107 | 250026 | 18.72 | ng/ul | 97     |
| 25) Bis(2-Chloroethoxy)methane | 9.67  | 93  | 287805 | 18.37 | ng/ul | 97     |
| 27) 2,4-Dichlorophenol         | 9.89  | 162 | 201262 | 20.09 | ng/ul | 99     |
| 28) Naphthalene                | 10.28 | 128 | 690924 | 18.94 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.40 | 127 | 258494 | 25.26 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.57 | 225 | 133599 | 19.88 | ng/ul | 99     |
| 32) Caprolactam                | 11.18 | 113 | 63746  | 22.88 | ng/ul | 95     |
| 33) 4-Chloro-3-methylphenol    | 11.55 | 107 | 227146 | 19.58 | ng/ul | 96     |
| 34) 2-Methylnaphthalene        | 11.90 | 142 | 470460 | 19.18 | ng/ul | 97     |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02089

Quant Time: Jun 02 03:37:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 01 16:59:35 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.13 | 142  | 432303   | 18.99 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.29 | 216  | 242982   | 19.35 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.27 | 237  | 142734   | 19.71 | ng/ul  | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.54 | 196  | 156346   | 21.40 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.61 | 196  | 167671   | 20.79 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 12.94 | 154  | 590584   | 18.99 | ng/ul  | 100      |
| 42) 2-Chloronaphthalene        | 12.97 | 162  | 453105   | 18.88 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.19 | 65   | 162586   | 20.10 | ng/ul  | 95       |
| 45) Dimethylphthalate          | 13.59 | 163  | 560488   | 19.00 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 13.70 | 165  | 117294   | 21.67 | ng/ul  | 95       |
| 48) Acenaphthylene             | 13.83 | 152  | 707179   | 19.35 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.03 | 138  | 119533   | 24.81 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.18 | 153  | 490093   | 19.01 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.25 | 184  | 44467    | 14.94 | ng/ul  | 93       |
| 53) 4-Nitrophenol              | 14.37 | 109  | 81440    | 18.39 | ng/ul  | 93       |
| 54) Dibenzofuran               | 14.52 | 168  | 680322   | 18.78 | ng/ul  | 99       |
| 55) 2,4-Dinitrotoluene         | 14.50 | 165  | 163645   | 20.40 | ng/ul  | 92       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.76 | 232  | 142109   | 20.96 | ng/ul  | 98       |
| 57) Diethylphthalate           | 14.97 | 149  | 557844   | 19.12 | ng/ul  | 100      |
| 59) Fluorene                   | 15.17 | 166  | 561515   | 19.16 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.18 | 204  | 278733   | 19.06 | ng/ul  | 95       |
| 61) 4-Nitroaniline             | 15.20 | 138  | 132241   | 21.97 | ng/ul  | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.27 | 198  | 83564    | 18.58 | ng/ul# | 89       |
| 65) N-Nitrosodiphenylamine     | 15.39 | 169  | 478331   | 19.48 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.07 | 248  | 172582   | 20.23 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.18 | 284  | 188334   | 19.63 | ng/ul  | 98       |
| 68) Atrazine                   | 16.36 | 200  | 168357   | 20.94 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.53 | 266  | 79670    | 15.08 | ng/ul  | 98       |
| 70) Phenanthrene               | 16.91 | 178  | 863092   | 18.70 | ng/ul  | 99       |
| 72) Anthracene                 | 17.00 | 178  | 894153   | 19.31 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.90 | 216  | 243130   | 19.87 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.45 | 250  | 228748   | 19.70 | ng/uL  | 100      |
| 75) Carbazole                  | 17.27 | 167  | 794201   | 20.74 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.86 | 149  | 948357   | 20.67 | ng/ul  | 99       |
| 77) Fluoranthene               | 18.93 | 202  | 996644   | 20.59 | ng/ul  | 100      |
| 80) Pyrene                     | 19.30 | 202  | 1024426  | 19.59 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.23 | 149  | 435010   | 23.51 | ng/ul  | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.00 | 252  | 343244   | 25.17 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.05 | 228  | 992526   | 19.34 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 627807   | 21.89 | ng/ul  | 99       |
| 85) Chrysene                   | 21.10 | 228  | 971903   | 19.05 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.87 | 149  | 1080228  | 21.63 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.56 | 252  | 1026017  | 19.09 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 22.60 | 252  | 992294   | 18.48 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.09 | 252  | 904551   | 19.12 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.26 | 276  | 1173720  | 19.12 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.27 | 278  | 995941   | 19.16 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene       | 25.89 | 276  | 973471   | 19.00 | ng/ul  | 98       |

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Data File : BM026216.D  
Acq On : 02 Jun 2020 02:41  
Operator : JU/CG  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02089

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jun 01 16:59:35 2020  
Response via : Initial Calibration

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

