

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092120\  
 Data File : BM027490.D  
 Acq On : 21 Sep 2020 11:40  
 Operator : JU/CG  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTDC00205

Manual Integrations  
 APPROVED

mohammad  
 9/22/2020 10:08:28 AM

Quant Time: Sep 21 12:25:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 21 12:23:47 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 84273    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.26 | 136  | 324593   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.14 | 164  | 244968   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 574898   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.10 | 240  | 635573   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.23 | 264  | 679072   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 21003  | 11.09 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.69  | 99  | 129524 | 18.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.85  | 67  | 92526  | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.03  | 132 | 106190 | 20.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.21  | 113 | 103013 | 18.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.64  | 128 | 51604  | 21.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.36  | 143 | 57565  | 21.48 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.89  | 165 | 124658 | 21.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.40 | 131 | 135526 | 19.88 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.56 | 166 | 384427 | 19.72 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.83 | 160 | 459505 | 20.87 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.36 | 143 | 52213  | 15.21 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.14 | 176 | 367809 | 21.07 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200 | 63525  | 17.27 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.99 | 188 | 568448 | 20.91 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.29 | 212 | 650251 | 22.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.10 | 264 | 731684 | 20.09 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 22191  | 9.790  | ng/uL 95  |
| 4) Benzaldehyde                | 6.65  | 77  | 95965  | 19.166 | ng/ul 98  |
| 6) Phenol                      | 6.71  | 94  | 142486 | 19.301 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.93  | 93  | 117437 | 19.806 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.07  | 128 | 113906 | 21.471 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.95  | 108 | 101212 | 18.575 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.03  | 45  | 84331  | 18.861 | ng/ul 97  |
| 14) Acetophenone               | 8.31  | 105 | 194260 | 20.430 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.30  | 70  | 112541 | 20.686 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.27  | 108 | 112633 | 18.938 | ng/ul 98  |
| 17) Hexachloroethane           | 8.56  | 117 | 59509  | 22.546 | ng/ul 96  |
| 20) Nitrobenzene               | 8.68  | 77  | 167397 | 20.976 | ng/ul 98  |
| 21) Isophorone                 | 9.21  | 82  | 276021 | 20.379 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.39  | 139 | 65628  | 22.558 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.46  | 107 | 144469 | 21.686 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.69  | 93  | 157521 | 20.472 | ng/ul 96  |
| 27) 2,4-Dichlorophenol         | 9.92  | 162 | 124700 | 21.716 | ng/ul 97  |
| 28) Naphthalene                | 10.31 | 128 | 363396 | 21.070 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.43 | 127 | 139385 | 20.287 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.61 | 225 | 107023 | 23.631 | ng/ul 96  |
| 32) Caprolactam                | 11.19 | 113 | 28131m | 15.451 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.57 | 107 | 121072 | 19.796 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 11.93 | 142 | 275756 | 21.148 | ng/ul 100 |

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 Operator : JU/CG  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02025

Manual Integrations  
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Quant Time: Sep 21 12:25:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 21 12:23:47 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.16 | 142  | 261301   | 20.137 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.32 | 216  | 187259   | 22.740 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.30 | 237  | 118323   | 21.960 | ng/ul  | 95       |
| 39) 2,4,6-Trichlorophenol      | 12.56 | 196  | 108197   | 21.606 | ng/ul  | 94       |
| 40) 2,4,5-Trichlorophenol      | 12.63 | 196  | 116845   | 21.603 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 12.97 | 154  | 388482   | 21.085 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.00 | 162  | 315422   | 21.037 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.22 | 65   | 87745    | 19.931 | ng/ul  | 97       |
| 45) Dimethylphthalate          | 13.62 | 163  | 407731   | 19.849 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 13.73 | 165  | 76325    | 19.486 | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.86 | 152  | 469723   | 21.131 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.05 | 138  | 60146    | 17.239 | ng/ul# | 93       |
| 50) Acenaphthene               | 14.21 | 153  | 339031   | 21.238 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.27 | 184  | 54462    | 22.230 | ng/ul  | 94       |
| 53) 4-Nitrophenol              | 14.37 | 109  | 61852    | 17.289 | ng/ul  | 95       |
| 54) Dibenzofuran               | 14.54 | 168  | 512518   | 21.470 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene         | 14.52 | 165  | 118113   | 19.563 | ng/ul  | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.78 | 232  | 110646   | 20.642 | ng/ul  | 99       |
| 57) Diethylphthalate           | 14.99 | 149  | 434015   | 20.262 | ng/ul  | 99       |
| 59) Fluorene                   | 15.20 | 166  | 425763   | 20.752 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.20 | 204  | 237593   | 21.160 | ng/ul  | 100      |
| 61) 4-Nitroaniline             | 15.22 | 138  | 65957    | 16.287 | ng/ul  | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.29 | 198  | 67331    | 16.904 | ng/ul# | 100      |
| 65) N-Nitrosodiphenylamine     | 15.42 | 169  | 365490   | 22.545 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.09 | 248  | 151326   | 22.738 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.21 | 284  | 173687   | 21.558 | ng/ul  | 99       |
| 68) Atrazine                   | 16.38 | 200  | 137283   | 19.547 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 16.55 | 266  | 82431    | 16.672 | ng/ul  | 97       |
| 70) Phenanthrene               | 16.93 | 178  | 690395   | 20.969 | ng/ul  | 99       |
| 72) Anthracene                 | 17.03 | 178  | 704901   | 21.016 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.93 | 216  | 183745   | 24.281 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.47 | 250  | 192524   | 23.070 | ng/uL  | 96       |
| 75) Carbazole                  | 17.30 | 167  | 569291   | 20.052 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.89 | 149  | 756535   | 21.456 | ng/ul  | 99       |
| 77) Fluoranthene               | 18.96 | 202  | 826645   | 20.377 | ng/ul  | 99       |
| 80) Pvrene                     | 19.32 | 202  | 873414   | 22.716 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.25 | 149  | 327760   | 22.272 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.02 | 252  | 263284   | 18.862 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.08 | 228  | 869187   | 21.106 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 527256   | 22.997 | ng/ul  | 99       |
| 85) Chrysene                   | 21.13 | 228  | 849540   | 20.878 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.90 | 149  | 885057   | 20.988 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.60 | 252  | 888617   | 19.821 | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene       | 22.64 | 252  | 945865   | 21.043 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.14 | 252  | 807352   | 19.301 | ng/ul  | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.35 | 276  | 1028541  | 18.730 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.36 | 278  | 880601   | 18.959 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 25.99 | 276  | 866709   | 18.884 | ng/ul  | 99       |

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Data File : BM027490.D  
Acq On : 21 Sep 2020 11:40  
Operator : JU/CG  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02025

Manual Integrations  
APPROVED

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 21 12:23:47 2020  
Response via : Initial Calibration

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

