

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092421\  
 Data File : BM032137.D  
 Acq On : 24 Sep 2021 18:58  
 Operator : CG/JU  
 Sample : SST01033  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST010040

Manual Integrations  
 APPROVED

mohammad  
 9/28/2021 1:35:55 PM

Quant Time: Sep 25 00:19:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM092421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 25 00:18:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.666  | 152  | 419092   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.460 | 136  | 1787614  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.313 | 164  | 1135047  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.042 | 188  | 2237389  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.200 | 240  | 1884517  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.371 | 264  | 1610710  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 2.990  | 96   | 39397m   | 3.873  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.413  | 84   | 272420   | 8.447  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.848  | 99   | 316679   | 8.268  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.990  | 67   | 200781   | 8.709  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.201  | 132  | 246740   | 9.019  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.389  | 113  | 247079   | 7.981  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.819  | 128  | 91963    | 9.032  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.548  | 143  | 93737    | 9.708  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.089 | 165  | 245909   | 9.424  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.589 | 131  | 337508   | 8.743  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.713 | 166  | 721930   | 9.105  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.007 | 160  | 922775   | 9.237  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.507 | 143  | 95133    | 7.440  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.301 | 176  | 629428   | 9.561  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.413 | 200  | 70621    | 8.635  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.136 | 188  | 931760   | 9.688  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.418 | 212  | 970341   | 10.605 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.236 | 264  | 711586   | 8.997  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.025  | 88   | 42967    | 3.733  | ng/uL  | 98       |
| 5) Pyridine                   | 3.437  | 79   | 276237   | 8.722  | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.790  | 77   | 214277   | 9.493  | ng/u1  | 97       |
| 8) Phenol                     | 6.872  | 94   | 330685   | 8.479  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.084  | 93   | 266949   | 8.781  | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.237  | 128  | 258940   | 9.101  | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.125  | 108  | 244141   | 8.171  | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.201  | 45   | 381181   | 9.659  | ng/u1  | 98       |
| 16) Acetophenone              | 8.484  | 105  | 415535   | 8.670  | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.472  | 70   | 198007   | 7.417  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.454  | 108  | 267139   | 8.329  | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.760  | 117  | 107305   | 9.122  | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.860  | 77   | 255714   | 8.865  | ng/u1  | 96       |
| 23) Isophorone                | 9.383  | 82   | 555880   | 7.825  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.578  | 139  | 112492   | 10.081 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.648  | 107  | 299164   | 8.800  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.866  | 93   | 358935   | 8.844  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.113 | 162  | 243990   | 9.551  | ng/u1  | 99       |
| 30) Naphthalene               | 10.513 | 128  | 879077   | 9.984  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.613 | 127  | 355806   | 9.006  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.819 | 225  | 170326   | 10.191 | ng/u1  | 98       |
| 34) Caprolactam               | 11.330 | 113  | 65233m   | 5.977  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.754 | 107  | 264189   | 8.293  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.124 | 142  | 588355   | 9.497  | ng/u1  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092421\  
 Data File : BM032137.D  
 Acq On : 24 Sep 2021 18:58  
 Operator : CG/JU  
 Sample : SST01033  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST010040

Manual Integrations  
 APPROVED

mohammad  
 9/28/2021 1:35:55 PM

Quant Time: Sep 25 00:19:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM092421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 25 00:18:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.348 | 142  | 601607   | 9.541  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.507 | 216  | 322666   | 10.629 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.501 | 237  | 150754   | 8.357  | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.748 | 196  | 191541   | 9.740  | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.813 | 196  | 202668   | 9.799  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.142 | 154  | 805450   | 10.168 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.183 | 162  | 598264   | 9.954  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.383 | 65   | 112651   | 8.330  | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.760 | 163  | 733240   | 9.281  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.871 | 165  | 101688   | 9.088  | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.030 | 152  | 988074   | 9.673  | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.207 | 138  | 107155   | 8.216  | ng/ul  | 96       |
| 52) Acenaphthene              | 14.377 | 153  | 641364   | 9.637  | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.407 | 184  | 37476    | 6.461  | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.524 | 109  | 84699    | 6.917  | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.713 | 168  | 926486   | 9.888  | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.660 | 165  | 145703   | 8.941  | ng/ul# | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.942 | 232  | 163673   | 9.387  | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.124 | 149  | 709328   | 8.618  | ng/ul  | 99       |
| 61) Fluorene                  | 15.360 | 166  | 744793   | 9.859  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.348 | 204  | 372970   | 10.078 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.360 | 138  | 103236   | 7.640  | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.430 | 198  | 72536    | 8.582  | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.560 | 169  | 615268   | 9.937  | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.236 | 248  | 204028   | 9.663  | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.371 | 284  | 258771   | 10.932 | ng/ul  | 98       |
| 70) Atrazine                  | 16.501 | 200  | 199933   | 8.361  | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.707 | 266  | 123689   | 9.111  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.083 | 178  | 1134184  | 10.049 | ng/ul  | 99       |
| 74) Anthracene                | 17.171 | 178  | 1136297  | 9.864  | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.119 | 216  | 335505   | 11.429 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.642 | 250  | 327604   | 11.307 | ng/uL  | 99       |
| 77) Carbazole                 | 17.436 | 167  | 975167   | 9.340  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.995 | 149  | 1032951  | 7.905  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.089 | 202  | 1216728  | 10.513 | ng/ul  | 100      |
| 82) Pyrene                    | 19.448 | 202  | 1277676  | 10.925 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.336 | 149  | 279790   | 6.100  | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.118 | 252  | 256444   | 6.449  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.183 | 228  | 1034795  | 9.081  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.112 | 149  | 441002   | 6.334  | ng/ul  | 100      |
| 87) Chrysene                  | 21.236 | 228  | 1081450  | 9.813  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.959 | 149  | 588865   | 6.493  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.724 | 252  | 945969   | 9.978  | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.765 | 252  | 890237   | 10.232 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.277 | 252  | 874894   | 9.538  | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.524 | 276  | 854258   | 8.074  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.529 | 278  | 691389   | 7.705  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.188 | 276  | 754882   | 8.310  | ng/ul  | 99       |

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

