

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102721\  
 Data File : BG050740.D  
 Acq On : 27 Oct 2021 11:34  
 Operator : CG/JU  
 Sample : PB140133BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS133

Manual Integrations  
 APPROVED

mohammad  
 10/28/2021 11:14:09 AM

Quant Time: Oct 27 12:42:01 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 26 18:31:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.248  | 152  | 29611    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.074 | 136  | 130852   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.875 | 164  | 89512    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.625 | 188  | 202530   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.932 | 240  | 173339   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.363 | 264  | 169232   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.600  | 96   | 5068     | 6.744  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.029  | 84   | 71189    | 29.913 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.390  | 99   | 89907    | 32.674 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.560  | 67   | 56875    | 32.127 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.778  | 132  | 63936    | 33.079 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.947  | 113  | 69507    | 32.716 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.423  | 128  | 32790    | 32.830 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.145 | 143  | 36179    | 32.122 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.686 | 165  | 61961    | 31.325 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.209 | 131  | 85393    | 29.416 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.270 | 166  | 206210   | 32.620 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.576 | 160  | 247126   | 31.478 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.057 | 143  | 37761    | 33.005 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.862 | 176  | 178695   | 32.893 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.980 | 200  | 37065    | 31.273 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.725 | 188  | 285206   | 32.844 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.999 | 212  | 337351   | 34.151 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.122 | 264  | 276102   | 31.710 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.641  | 88   | 11040    | 11.842 | ng/uL# | 83       |
| 5) Pyridine                   | 4.047  | 79   | 78121    | 31.568 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.378  | 77   | 65997    | 48.069 | ng/u1  | 95       |
| 8) Phenol                     | 7.419  | 94   | 94382    | 32.881 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.654  | 93   | 69269    | 31.986 | ng/u1  | 92       |
| 12) 2-Chlorophenol            | 7.807  | 128  | 66128    | 34.039 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.682  | 108  | 67433    | 31.729 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.765  | 45   | 113860   | 33.303 | ng/u1  | 99       |
| 16) Acetophenone              | 9.076  | 105  | 107970   | 32.449 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 9.053  | 70   | 66062    | 32.826 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 9.011  | 108  | 73161    | 32.640 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.341  | 117  | 28054    | 33.464 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.464  | 77   | 95135    | 32.774 | ng/u1  | 100      |
| 23) Isophorone                | 9.981  | 82   | 179912   | 32.603 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.181 | 139  | 38111    | 32.472 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.228 | 107  | 82774    | 32.261 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.463 | 93   | 97897    | 32.720 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.715 | 162  | 62304    | 32.603 | ng/u1  | 94       |
| 30) Naphthalene               | 11.127 | 128  | 216185   | 32.387 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.232 | 127  | 87614    | 30.051 | ng/u1  | 94       |
| 33) Hexachlorobutadiene       | 11.397 | 225  | 42417    | 32.752 | ng/u1  | 98       |
| 34) Caprolactam               | 11.990 | 113  | 25988m   | 32.763 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.331 | 107  | 77954    | 32.764 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.713 | 142  | 146148   | 32.736 | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102721\  
 Data File : BG050740.D  
 Acq On : 27 Oct 2021 11:34  
 Operator : CG/JU  
 Sample : PB140133BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS133

Manual Integrations  
 APPROVED

mohammad  
 10/28/2021 11:14:09 AM

Quant Time: Oct 27 12:42:01 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 26 18:31:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.930 | 142  | 145806   | 32.336 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.077 | 216  | 79199    | 31.849 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 13.048 | 237  | 35247    | 26.371 | ng/ul  | 91       |
| 41) 2,4,6-Trichlorophenol     | 13.312 | 196  | 52882    | 32.308 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.389 | 196  | 54387    | 31.484 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.712 | 154  | 195938   | 31.593 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.759 | 162  | 151481   | 31.540 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.959 | 65   | 63473    | 33.136 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.317 | 163  | 211126   | 33.259 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.446 | 165  | 43408    | 33.185 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.605 | 152  | 252702   | 31.484 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.775 | 138  | 47075    | 37.242 | ng/ul  | 89       |
| 52) Acenaphthene              | 14.940 | 153  | 168810   | 32.193 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.987 | 184  | 22622    | 31.007 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 15.075 | 109  | 36936    | 33.573 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.269 | 168  | 240057   | 32.379 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.228 | 165  | 64004    | 34.102 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.492 | 232  | 44799    | 33.271 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.668 | 149  | 230279   | 33.958 | ng/ul  | 99       |
| 61) Fluorene                  | 15.921 | 166  | 190718   | 32.408 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.903 | 204  | 101789   | 32.796 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.939 | 138  | 48705    | 41.163 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.997 | 198  | 36352    | 31.751 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 16.121 | 169  | 175908   | 32.687 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.802 | 248  | 61625    | 32.295 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.926 | 284  | 64250    | 32.969 | ng/ul  | 96       |
| 70) Atrazine                  | 17.061 | 200  | 74054    | 32.143 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.267 | 266  | 27669    | 27.861 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.666 | 178  | 341199   | 33.701 | ng/ul  | 99       |
| 74) Anthracene                | 17.760 | 178  | 335783   | 33.248 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.682 | 216  | 81359    | 30.045 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.192 | 250  | 74217    | 29.675 | ng/uL  | 99       |
| 77) Carbazole                 | 18.024 | 167  | 320970   | 34.226 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.559 | 149  | 412701   | 34.845 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.664 | 202  | 422962   | 33.595 | ng/ul  | 97       |
| 82) Pyrene                    | 20.028 | 202  | 409405   | 33.256 | ng/ul# | 96       |
| 83) Butylbenzylphthalate      | 20.892 | 149  | 175618   | 33.650 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.814 | 252  | 128497   | 33.421 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.908 | 228  | 368185   | 33.491 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.779 | 149  | 251021   | 33.798 | ng/ul  | 99       |
| 87) Chrysene                  | 21.979 | 228  | 353708   | 33.792 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.060 | 149  | 425712   | 34.552 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.264 | 252  | 373662   | 34.592 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.335 | 252  | 335499   | 33.327 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.198 | 252  | 350114   | 33.816 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.299 | 276  | 385671   | 33.709 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 29.370 | 278  | 332759   | 33.816 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.545 | 276  | 324403   | 33.940 | ng/ul  | 96       |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102721\  
Data File : BG050740.D  
Acq On : 27 Oct 2021 11:34  
Operator : CG/JU  
Sample : PB140133BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
SLCS133

**Manual Integrations**  
**APPROVED**

mohammad  
10/28/2021 11:14:09 AM

Quant Time: Oct 27 12:42:01 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 26 18:31:25 2021  
Response via : Initial Calibration

