

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111723\  
 Data File : BP018234.D  
 Acq On : 17 Nov 2023 23:05  
 Operator : MA/JU  
 Sample : 05369-18MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GCDP3MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/19/2023  
 Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 17 23:49:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP111023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 18:13:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 48298    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.599 | 136  | 186887   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.457 | 164  | 112876   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 261015   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.375 | 240  | 261355   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.851 | 264  | 296118   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.158  | 96   | 4427     | 3.233  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.975  | 99   | 1744     | 0.374  | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 8709     | 3.178  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 5665     | 1.534  | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 3943m    | 1.032  | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.999  | 128  | 4693     | 2.787  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.716  | 143  | 3182     | 1.668  | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.263 | 165  | 7667m    | 2.255  | ng/u1  | 0.04     |
| 31) 4-Chloroaniline-d4        | 10.810 | 131  | 11267m   | 2.417  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.887 | 166  | 33414    | 3.208  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 38511    | 3.395  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.757 | 143  | 6186m    | 3.975  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.463 | 176  | 32068    | 3.729  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.645 | 200  | 1156m    | 0.613  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.345 | 188  | 49079    | 3.477  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 60997    | 3.494  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.686 | 264  | 63127    | 3.666  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 4199     | 2.811  | ng/uL  | 93       |
| 6) Benzaldehyde               | 6.975  | 77   | 20264    | 8.069  | ng/u1  | 95       |
| 8) Phenol                     | 7.005  | 94   | 18721    | 4.070  | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 29051    | 8.141  | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.346  | 128  | 21408    | 5.774  | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.252  | 108  | 19493    | 5.609  | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.299  | 45   | 36175m   | 8.878  | ng/u1  |          |
| 16) Acetophenone              | 8.646  | 105  | 46176    | 7.603  | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.605  | 70   | 25072    | 7.561  | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.599  | 108  | 18350    | 4.841  | ng/u1  | 93       |
| 19) Hexachloroethane          | 8.828  | 117  | 15371    | 8.666  | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.040  | 77   | 36241    | 7.971  | ng/u1  | 98       |
| 23) Isophorone                | 9.534  | 82   | 66009    | 7.957  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.746  | 139  | 12077    | 6.161  | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.787  | 107  | 28673    | 6.876  | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.034 | 93   | 36505    | 8.069  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.281 | 162  | 15004    | 4.622  | ng/u1  | 96       |
| 30) Naphthalene               | 10.646 | 128  | 99076    | 8.717  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.834 | 127  | 23251m   | 5.206  | ng/u1  |          |
| 33) Hexachlorobutadiene       | 10.857 | 225  | 21709    | 9.109  | ng/u1  | 97       |
| 34) Caprolactam               | 11.646 | 113  | 4989m    | 4.626  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.934 | 107  | 22765    | 5.828  | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 12.269 | 142  | 66055    | 8.466  | ng/u1  | 96       |
| 37) 1-Methylnaphthalene       | 12.487 | 142  | 65304    | 8.145  | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111723\  
 Data File : BP018234.D  
 Acq On : 17 Nov 2023 23:05  
 Operator : MA/JU  
 Sample : 05369-18MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

GCDP3MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/19/2023

Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 17 23:49:07 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP111023.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 15 18:13:37 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 37260    | 9.771  | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.551 | 237  | 7474     | 4.061  | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.904 | 196  | 16551    | 6.617  | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.993 | 196  | 17188    | 6.529  | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.287 | 154  | 88854    | 9.257  | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.340 | 162  | 70658    | 9.272  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.616 | 65   | 18094    | 7.358  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.934 | 163  | 90256    | 8.834  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.093 | 165  | 16125    | 7.941  | ng/ul# | 89       |
| 50) Acenaphthylene            | 14.187 | 152  | 110500   | 8.628  | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.463 | 138  | 8670     | 4.601  | ng/ul# | 71       |
| 52) Acenaphthene              | 14.528 | 153  | 80676    | 9.500  | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.704 | 184  | 2681m    | 2.420  | ng/ul  |          |
| 55) 4-Nitrophenol             | 14.757 | 109  | 2381m    | 1.153  | ng/ul  |          |
| 56) Dibenzofuran              | 14.869 | 168  | 107891   | 9.271  | ng/ul  | 90       |
| 57) 2,4-Dinitrotoluene        | 14.898 | 165  | 23829    | 7.854  | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 15039    | 6.422  | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.293 | 149  | 100753   | 9.440  | ng/ul  | 99       |
| 61) Fluorene                  | 15.522 | 166  | 90459    | 9.155  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 46038    | 9.508  | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.640 | 138  | 11109m   | 6.248  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.663 | 198  | 7553     | 3.857  | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.745 | 169  | 73787    | 8.815  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.422 | 248  | 29241    | 9.940  | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.498 | 284  | 34895    | 10.630 | ng/ul  | 93       |
| 70) Atrazine                  | 16.704 | 200  | 27112    | 9.285  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.887 | 266  | 7537     | 3.782  | ng/ul  | 94       |
| 72) Phenanthrene              | 17.287 | 178  | 153159   | 9.557  | ng/ul  | 98       |
| 74) Anthracene                | 17.381 | 178  | 152990   | 9.354  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.240 | 216  | 37751    | 9.471  | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 36771    | 9.424  | ng/uL  | 95       |
| 77) Carbazole                 | 17.686 | 167  | 129401   | 9.111  | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.186 | 149  | 162387   | 9.011  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.275 | 202  | 175955   | 8.630  | ng/ul  | 97       |
| 82) Pyrene                    | 19.633 | 202  | 186950   | 8.751  | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.498 | 149  | 82960    | 9.234  | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 52033    | 8.333  | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 203998   | 9.666  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 119597   | 9.655  | ng/ul  | 100      |
| 87) Chrysene                  | 21.416 | 228  | 197078   | 9.982  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.192 | 149  | 201309   | 9.090  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.080 | 252  | 205613   | 9.757  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.133 | 252  | 205202   | 9.678  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.733 | 252  | 189965   | 9.545  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.474 | 276  | 231620   | 9.704  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.498 | 278  | 191929   | 9.766  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.292 | 276  | 188844   | 9.891  | ng/ul  | 95       |

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

