

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020224\  
 Data File : BP019529.D  
 Acq On : 02 Feb 2024 15:38  
 Operator : MA/JU  
 Sample : P1187-02  
 Misc : LOQ-SOIL-5PPM  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 02 16:11:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 00:51:48 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024  
 Supervised By :mohammad ahmed 02/06/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.910  | 152  | 84093    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.710 | 136  | 339804   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.545 | 164  | 223501   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.298 | 188  | 429059   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.386 | 240  | 343813   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.804 | 264  | 463254   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 556588   | 106.689 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.081  | 99   | 746278   | 106.091 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.081  | 82   | 705004   | 89.901  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.039 | 330  | 341657   | 104.698 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.175 | 172  | 1634485  | 90.407  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.869 | 244  | 1874624  | 89.668  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.387  | 88   | 10873    | 5.410   | ng    | 95       |
| 3) Pyridine                   | 3.793  | 79   | 25601    | 4.698   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.717  | 42   | 12083    | 5.093   | ng    | # 97     |
| 6) Aniline                    | 7.246  | 93   | 42832    | 6.266   | ng    | 99       |
| 8) 2-Chlorophenol             | 7.475  | 128  | 27436    | 5.122   | ng    | 99       |
| 9) Benzaldehyde               | 7.058  | 77   | 29467    | 5.975   | ng    | 97       |
| 10) Phenol                    | 7.105  | 94   | 36349    | 5.185   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.346  | 93   | 28940    | 5.306   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.799  | 146  | 32615    | 4.976   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.946  | 146  | 33248    | 5.007   | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.258  | 146  | 32571    | 5.070   | ng    | 95       |
| 15) Benzyl Alcohol            | 8.158  | 79   | 30643    | 5.452   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 30322    | 5.559   | ng    | 97       |
| 17) 2-Methylphenol            | 8.357  | 107  | 24544    | 5.200   | ng    | 98       |
| 18) Hexachloroethane          | 8.981  | 117  | 12145    | 4.719   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.728  | 70   | 26607    | 5.538   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.687  | 107  | 34242    | 5.316   | ng    | 97       |
| 22) Acetophenone              | 8.740  | 105  | 51645    | 5.335   | ng    | # 98     |
| 24) Nitrobenzene              | 9.122  | 77   | 41411    | 5.245   | ng    | 99       |
| 25) Isophorone                | 9.646  | 82   | 71501    | 5.235   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.828  | 139  | 13682    | 4.545   | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 9.887  | 122  | 22406    | 5.820   | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.140 | 93   | 40664    | 5.262   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 29412    | 5.054   | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.569 | 180  | 35526    | 4.979   | ng    | 97       |
| 31) Naphthalene               | 10.763 | 128  | 94720    | 5.082   | ng    | 99       |
| 32) Benzoic acid              | 9.957  | 122  | 14373m   | 3.832   | ng    |          |
| 33) 4-Chloroaniline           | 10.881 | 127  | 39142    | 5.679   | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.034 | 225  | 25134    | 4.754   | ng    | 99       |
| 35) Caprolactam               | 11.651 | 113  | 7436     | 4.514   | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.998 | 107  | 31702    | 4.996   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.369 | 142  | 66453    | 5.152   | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.587 | 142  | 65146    | 5.140   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.734 | 216  | 44466    | 5.159   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.704 | 237  | 23112    | 5.935   | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.975 | 196  | 25582    | 4.901   | ng    | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020224\  
 Data File : BP019529.D  
 Acq On : 02 Feb 2024 15:38  
 Operator : MA/JU  
 Sample : P1187-02  
 Misc : LOQ-SOIL-5PPM  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 02 16:11:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 00:51:48 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024  
 Supervised By :mohammad ahmed 02/06/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.045 | 196  | 26536    | 4.630 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.381 | 154  | 94360    | 5.290 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.422 | 162  | 73969    | 5.051 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.634 | 65   | 18187    | 4.442 | ng    | 95       |
| 49) Acenaphthylene            | 14.263 | 152  | 113325   | 5.516 | ng    | 96       |
| 50) Dimethylphthalate         | 14.010 | 163  | 86227    | 5.040 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.134 | 165  | 17815    | 4.739 | ng    | 98       |
| 52) Acenaphthene              | 14.604 | 154  | 65759    | 5.157 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.457 | 138  | 15526    | 4.494 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.663 | 184  | 7518     | 3.852 | ng    | 90       |
| 55) Dibenzofuran              | 14.945 | 168  | 110160   | 5.305 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.757 | 139  | 11281    | 3.984 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 20667    | 4.195 | ng    | 97       |
| 58) Fluorene                  | 15.592 | 166  | 83359    | 5.040 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 23969    | 4.972 | ng    | 98       |
| 60) Diethylphthalate          | 15.381 | 149  | 80081    | 4.706 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.598 | 204  | 47036    | 5.059 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.616 | 138  | 14796    | 4.086 | ng    | 98       |
| 63) Azobenzene                | 15.887 | 77   | 78139    | 4.748 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 9106     | 3.722 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.810 | 169  | 69349    | 5.397 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.492 | 248  | 28175    | 5.253 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.586 | 284  | 32544    | 5.196 | ng    | 99       |
| 69) Atrazine                  | 16.769 | 200  | 22359    | 5.244 | ng    | 93       |
| 70) Pentachlorophenol         | 16.939 | 266  | 15148    | 3.883 | ng    | 98       |
| 71) Phenanthrene              | 17.339 | 178  | 120709   | 5.346 | ng    | 98       |
| 72) Anthracene                | 17.433 | 178  | 118596   | 5.265 | ng    | 99       |
| 73) Carbazole                 | 17.704 | 167  | 94359    | 4.611 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 99037    | 4.003 | ng    | 99       |
| 75) Fluoranthene              | 19.304 | 202  | 120338   | 4.363 | ng    | 99       |
| 77) Benzidine                 | 19.498 | 184  | 55784    | 7.761 | ng    | 98       |
| 78) Pyrene                    | 19.657 | 202  | 124280   | 5.122 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.551 | 149  | 35839    | 3.955 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.374 | 228  | 124784   | 5.156 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 46784    | 5.305 | ng    | # 95     |
| 83) Chrysene                  | 21.427 | 228  | 116047   | 5.050 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.322 | 149  | 56088    | 4.065 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.269 | 149  | 100176   | 4.126 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 180675   | 5.095 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.063 | 252  | 137966   | 4.725 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.116 | 252  | 130822   | 4.691 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.698 | 252  | 123808   | 4.766 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.357 | 278  | 153108   | 5.250 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.098 | 276  | 147952   | 5.000 | ng    | 98       |

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

