Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
Data File : BG056469.D
Acq On : 30 Jan 2023 11:31
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 03:00:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.276 | 152 | 29710 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.113 | 136 | 121869 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.897 | 164 | 101378 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.635 | 188 | 265860 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.924 | 240 | 260219 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.344 | 264 | 285878 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.796 | 112 | 201475 | 124.749 | ng | | 0.00 |
| 7) Phenol-d6 | 7.418 | 99 | 283647 | 118.534 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.451 | 82 | 159476 | 74.308 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.378 | 330 | 154915 | 114.943 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.522 | 172 | 548690 | 75.038 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.215 | 244 | 1062962 | 71.745 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.599 | 88 | 4048 | 6.019 | ng | | 94 |
| 3) Pyridine | 4.028 | 79 | 8813 | 4.396 | ng | # | 93 |
| 4) n-Nitrosodimethylamine | 3.934 | 42 | 2270 | 5.325 | ng | # | 78 |
| 6) Aniline | 7.594 | 93 | 16496 | 5.265 | ng | | 96 |
| 8) 2-Chlorophenol | 7.835 | 128 | 9659 | 5.444 | ng | | 91 |
| 9) Benzaldehyde | 7.406 | 77 | 8026 | 5.441 | ng | | 95 |
| 10) Phenol | 7.447 | 94 | 12583 | 5.174 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.682 | 93 | 9317 | 5.573 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.170 | 146 | 10874 | 5.323 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.317 | 146 | 11824 | 5.716 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.640 | 146 | 11024 | 5.492 | ng | | 91 |
| 15) Benzyl Alcohol | 8.516 | 79 | 7881 | 4.800 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.799 | 45 | 1783 | 5.034 | ng | | 87 |
| 17) 2-Methylphenol | 8.716 | 107 | 8608 | 4.652 | ng | | 96 |
| 18) Hexachloroethane | 9.374 | 117 | 3490 | 5.578 | ng | # | 85 |
| 19) n-Nitroso-di-n-propyla... | 9.075 | 70 | 6889 | 4.996 | ng | # | 91 |
| 20) 3+4-Methylphenols | 9.051 | 107 | 11730 | 4.524 | ng | | 93 |
| 22) Acetophenone | 9.104 | 105 | 16522 | 5.102 | ng | # | 97 |
| 24) Nitrobenzene | 9.498 | 77 | 10254 | 4.953 | ng | # | 91 |
| 25) Isophorone | 10.015 | 82 | 21450 | 4.845 | ng | # | 91 |
| 26) 2-Nitrophenol | 10.214 | 139 | 6358 | 5.062 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.262 | 122 | 9214 | 4.383 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.491 | 93 | 12935 | 5.288 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 10.755 | 162 | 11439 | 4.835 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.967 | 180 | 13731 | 5.222 | ng | # | 93 |
| 31) Naphthalene | 11.160 | 128 | 33190 | 5.160 | ng | | 97 |
| 33) 4-Chloroaniline | 11.260 | 127 | 15122 | 5.036 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.437 | 225 | 9652 | 5.230 | ng | | 95 |
| 35) Caprolactam | 12.007 | 113 | 3474 | 4.354 | ng | # | 78 |
| 36) 4-Chloro-3-methylphenol | 12.365 | 107 | 11065 | 4.842 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.747 | 142 | 25179 | 4.748 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.964 | 142 | 24986m | 5.045 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 13.105 | 216 | 18626 | 5.029 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.082 | 237 | 3983 | 8.239 | ng | | 85 |
| 43) 2,4,6-Trichlorophenol | 13.346 | 196 | 10960 | 4.592 | ng | | 92 |
| 44) 2,4,5-Trichlorophenol | 13.422 | 196 | 12240 | 4.380 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
Data File : BG056469.D
Acq On : 30 Jan 2023 11:31
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

Quant Time: Jan 31 03:00:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.734 | 154 | 37801 | 5.141 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.781 | 162 | 30274 | 5.267 | ng | | 97 |
| 48) 2-Nitroaniline | 13.981 | 65 | 5957 | 5.014 | ng | | 95 |
| 49) Acenaphthylene | 14.621 | 152 | 46649 | 4.989 | ng | | 98 |
| 50) Dimethylphthalate | 14.333 | 163 | 40392 | 4.925 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.462 | 165 | 8466 | 4.733 | ng | | 98 |
| 52) Acenaphthene | 14.956 | 154 | 28010 | 5.051 | ng | | 94 |
| 53) 3-Nitroaniline | 14.797 | 138 | 7963 | 4.592 | ng | | 94 |
| 55) Dibenzofuran | 15.291 | 168 | 50547 | 5.083 | ng | | 97 |
| 56) 4-Nitrophenol | 15.115 | 139 | 4489m | 3.789 | ng | | |
| 57) 2,4-Dinitrotoluene | 15.250 | 165 | 11967 | 4.750 | ng | # | 99 |
| 58) Fluorene | 15.937 | 166 | 40464 | 5.113 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.520 | 232 | 11097 | 4.466 | ng | # | 99 |
| 60) Diethylphthalate | 15.685 | 149 | 38606 | 5.013 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.920 | 204 | 23870 | 4.943 | ng | | 97 |
| 62) 4-Nitroaniline | 15.949 | 138 | 8126 | 4.683 | ng | | 94 |
| 63) Azobenzene | 16.213 | 77 | 27407 | 5.172 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.014 | 198 | 5740 | 3.071 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 16.131 | 169 | 35957 | 4.777 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.813 | 248 | 16439 | 4.830 | ng | | 94 |
| 68) Hexachlorobenzene | 16.942 | 284 | 17421 | 5.226 | ng | | 97 |
| 69) Atrazine | 17.065 | 200 | 15150 | 5.217 | ng | | 99 |
| 71) Phenanthrene | 17.676 | 178 | 70910 | 5.096 | ng | | 96 |
| 72) Anthracene | 17.770 | 178 | 71466 | 5.003 | ng | | 99 |
| 73) Carbazole | 18.035 | 167 | 60091 | 4.940 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.564 | 149 | 61287 | 4.798 | ng | # | 96 |
| 75) Fluoranthene | 19.668 | 202 | 90043 | 5.127 | ng | | 99 |
| 77) Benzidine | 19.839 | 184 | 44289 | 6.289 | ng | | 99 |
| 78) Pyrene | 20.032 | 202 | 91509 | 4.944 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.884 | 149 | 25975 | 4.596 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.901 | 228 | 90492 | 4.974 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.807 | 252 | 35746 | 5.456 | ng | | 98 |
| 83) Chrysene | 21.971 | 228 | 86017 | 5.033 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.766 | 149 | 39696 | 4.899 | ng | | 97 |
| 85) Di-n-octyl phthalate | 23.035 | 149 | 64958 | 4.813 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.280 | 276 | 100133 | 4.785 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 24.245 | 252 | 91271 | 5.144 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 24.316 | 252 | 92223 | 5.148 | ng | # | 98 |
| 90) Benzo(a)pyrene | 25.173 | 252 | 82143 | 4.700 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 29.333 | 278 | 89058 | 5.070 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 30.508 | 276 | 85790 | 5.062 | ng | # | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
Data File : BG056469.D
Acq On : 30 Jan 2023 11:31
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 03:00:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023