Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013123\
Data File : BF132245.D
Acq On : 31 Jan 2023 23:25
Operator : CG\JU
Sample : N3980-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 01 05:59:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.072 | 152 | 183627 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.354 | 136 | 689683 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.119 | 164 | 349422 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.619 | 188 | 644105 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.277 | 240 | 465281 | 20.000 | ng | | #-0.01 |
| 86) Perylene-d12 | 15.865 | 264 | 444066 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.684 | 112 | 1231011 | 107.758 | ng | | 0.00 |
| 7) Phenol-d6 | 6.684 | 99 | 1515245 | 107.586 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.631 | 82 | 922051 | 74.396 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.913 | 330 | 405963 | 112.977 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.436 | 172 | 1552310 | 68.603 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.213 | 244 | 1645100 | 68.395 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.966 | 88 | 21401 | 3.981 | ng | | 97 |
| 3) Pyridine | 3.778 | 79 | 50494 | 3.463 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.678 | 42 | 17212 | 3.689 | ng | # | 91 |
| 6) Aniline | 6.731 | 93 | 75208 | 3.935 | ng | | 99 |
| 8) 2-Chlorophenol | 6.848 | 128 | 51658 | 4.366 | ng | | 92 |
| 9) Benzaldehyde | 6.619 | 77 | 42350 | 3.937 | ng | | 95 |
| 10) Phenol | 6.695 | 94 | 61855 | 4.243 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.795 | 93 | 49888 | 4.158 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.007 | 146 | 55693 | 4.450 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.084 | 146 | 57239 | 4.582 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.242 | 146 | 53825 | 4.620 | ng | | 97 |
| 15) Benzyl Alcohol | 7.195 | 79 | 52772m | 5.135 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 7.337 | 45 | 54324 | 4.298 | ng | | 97 |
| 17) 2-Methylphenol | 7.295 | 107 | 41978 | 4.053 | ng | | 96 |
| 18) Hexachloroethane | 7.584 | 117 | 20690 | 4.415 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.466 | 70 | 34347 | 4.293 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.448 | 107 | 52917 | 4.003 | ng | | 97 |
| 22) Acetophenone | 7.466 | 105 | 74190 | 4.574 | ng | | 98 |
| 24) Nitrobenzene | 7.648 | 77 | 53563 | 4.230 | ng | | 99 |
| 25) Isophorone | 7.878 | 82 | 93686 | 3.983 | ng | | 97 |
| 26) 2-Nitrophenol | 7.966 | 139 | 24163 | 3.918 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.984 | 122 | 41806 | 3.873 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 8.089 | 93 | 61361 | 4.245 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.201 | 162 | 38999 | 4.069 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.289 | 180 | 44171 | 4.304 | ng | | 99 |
| 31) Naphthalene | 8.378 | 128 | 150006 | 4.419 | ng | | 99 |
| 32) Benzoic acid | 8.019 | 122 | 16625 | 2.081 | ng | | 97 |
| 33) 4-Chloroaniline | 8.419 | 127 | 61535 | 4.088 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.489 | 225 | 24966 | 4.327 | ng | | 99 |
| 35) Caprolactam | 8.742 | 113 | 12493 | 3.824 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.884 | 107 | 42347 | 4.101 | ng | | 99 |
| 37) 2-Methylnaphthalene | 9.072 | 142 | 97205 | 4.227 | ng | | 98 |
| 38) 1-Methylnaphthalene | 9.172 | 142 | 94452 | 4.420 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.231 | 216 | 43286 | 4.402 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.219 | 237 | 23220 | 4.047 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.342 | 196 | 27822 | 3.958 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013123\
Data File : BF132245.D
Acq On : 31 Jan 2023 23:25
Operator : CG\JU
Sample : N3980-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 01 05:59:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.378 | 196 | 28889 | 3.571 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.531 | 154 | 120832 | 4.485 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.560 | 162 | 91023 | 4.436 | ng | | 97 |
| 48) 2-Nitroaniline | 9.648 | 65 | 22126 | 3.626 | ng | | 97 |
| 49) Acenaphthylene | 9.978 | 152 | 141468 | 4.225 | ng | | 99 |
| 50) Dimethylphthalate | 9.825 | 163 | 101292 | 4.144 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.889 | 165 | 20409 | 3.739 | ng | | 89 |
| 52) Acenaphthene | 10.154 | 154 | 88006 | 4.198 | ng | | 98 |
| 53) 3-Nitroaniline | 10.060 | 138 | 24203 | 3.656 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 10.160 | 184 | 5383 | 5.937 | ng | # | 1 |
| 55) Dibenzofuran | 10.325 | 168 | 126776 | 4.304 | ng | | 95 |
| 56) 4-Nitrophenol | 10.195 | 139 | 16926 | 3.398 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 10.289 | 165 | 26144 | 3.687 | ng | | 97 |
| 58) Fluorene | 10.672 | 166 | 100557 | 4.436 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.436 | 232 | 22233 | 3.770 | ng | | 98 |
| 60) Diethylphthalate | 10.525 | 149 | 99909 | 4.109 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.660 | 204 | 45991 | 4.275 | ng | | 98 |
| 62) 4-Nitroaniline | 10.672 | 138 | 22695 | 3.575 | ng | | 95 |
| 63) Azobenzene | 10.819 | 77 | 95762 | 4.043 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.701 | 198 | 9240 | 2.528 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.772 | 169 | 84332 | 4.181 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 11.154 | 248 | 26441 | 4.009 | ng | | 98 |
| 68) Hexachlorobenzene | 11.219 | 284 | 31242 | 4.432 | ng | | 99 |
| 69) Atrazine | 11.295 | 200 | 25380 | 4.375 | ng | | 95 |
| 70) Pentachlorophenol | 11.413 | 266 | 12498 | 2.580 | ng | # | 89 |
| 71) Phenanthrene | 11.642 | 178 | 148052 | 4.399 | ng | | 97 |
| 72) Anthracene | 11.695 | 178 | 149065 | 4.352 | ng | | 97 |
| 73) Carbazole | 11.842 | 167 | 131892 | 4.294 | ng | | 97 |
| 74) Di-n-butylphthalate | 12.166 | 149 | 146867 | 4.045 | ng | | 99 |
| 75) Fluoranthene | 12.842 | 202 | 142347 | 4.144 | ng | | 98 |
| 77) Benzidine | 12.960 | 184 | 65826 | 4.047 | ng | | 98 |
| 78) Pyrene | 13.072 | 202 | 151431 | 4.046 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.683 | 149 | 54607 | 3.303 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.266 | 228 | 131755 | 4.049 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.224 | 252 | 42190 | 4.070 | ng | | 99 |
| 83) Chrysene | 14.307 | 228 | 122585 | 4.023 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 14.242 | 149 | 80382 | 3.597 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.877 | 149 | 126836 | 3.480 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.501 | 276 | 98241 | 3.329 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.383 | 252 | 114508 | 4.057 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.418 | 252 | 114030 | 4.232 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.795 | 252 | 94967 | 3.613 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.524 | 278 | 83906 | 3.537 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 18.001 | 276 | 84050 | 3.429 | ng | | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013123\
Data File : BF132245.D
Acq On : 31 Jan 2023 23:25
Operator : CG\JU
Sample : N3980-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 01 05:59:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023