Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021509.D
Acq On : 15 Aug 2024 11:18
Operator : RC/JU
Sample : P3390-03
Misc : MDL-MDL-SOIL-4ng
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-SOIL-03-QT3-2024

Quant Time: Aug 15 11:56:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.805 | 152 | 444773 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.587 | 136 | 2011295 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.439 | 164 | 1445135 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.233 | 188 | 3303546 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.698 | 240 | 3096346 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.098 | 264 | 2978689 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.393 | 112 | 3878515 | 129.483 | ng | | 0.00 |
| 7) Phenol-d6 | 6.963 | 99 | 5689916 | 130.217 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.946 | 82 | 3843359 | 98.630 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.951 | 330 | 2331991 | 144.990 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.057 | 172 | 7970155 | 84.170 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.969 | 244 | 12072471 | 75.746 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 60041 | 4.227 | ng | | 99 |
| 3) Pyridine | 3.711 | 79 | 143062 | 3.608 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.617 | 42 | 52496 | 4.405 | ng | # | 91 |
| 6) Aniline | 7.128 | 93 | 215030 | 4.922 | ng | | 99 |
| 8) 2-Chlorophenol | 7.369 | 128 | 120282 | 4.345 | ng | | 99 |
| 9) Benzaldehyde | 6.946 | 77 | 157870 | 5.643 | ng | | 98 |
| 10) Phenol | 6.987 | 94 | 189271 | 4.183 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.228 | 93 | 166182 | 4.340 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.693 | 146 | 135633 | 4.125 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.840 | 146 | 137548 | 4.143 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.157 | 146 | 133464 | 4.171 | ng | | 97 |
| 15) Benzyl Alcohol | 8.028 | 79 | 137737 | 4.393 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 167093 | 4.739 | ng | | 96 |
| 17) 2-Methylphenol | 8.228 | 107 | 116128 | 4.060 | ng | | 98 |
| 18) Hexachloroethane | 8.887 | 117 | 55633 | 4.179 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.599 | 70 | 138328 | 4.583 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.552 | 107 | 158041 | 4.097 | ng | | 97 |
| 22) Acetophenone | 8.610 | 105 | 264968 | 4.288 | ng | # | 99 |
| 24) Nitrobenzene | 8.987 | 77 | 195237 | 4.613 | ng | | 100 |
| 25) Isophorone | 9.510 | 82 | 392641 | 4.265 | ng | | 99 |
| 26) 2-Nitrophenol | 9.699 | 139 | 31850 | 5.215 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.757 | 122 | 85430 | 3.760 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.993 | 93 | 242002 | 4.307 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.228 | 162 | 100866 | 3.758 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.451 | 180 | 137478 | 3.995 | ng | | 97 |
| 31) Naphthalene | 10.640 | 128 | 432576 | 4.117 | ng | | 100 |
| 32) Benzoic acid | 9.804 | 122 | 24885 | 5.622 | ng | | 94 |
| 33) 4-Chloroaniline | 10.740 | 127 | 175678 | 4.451 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.934 | 225 | 84398 | 3.895 | ng | | 94 |
| 35) Caprolactam | 11.475 | 113 | 45756 | 4.095 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 146797 | 3.942 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.251 | 142 | 297157 | 4.144 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.469 | 142 | 286232 | 4.047 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.616 | 216 | 170353 | 4.023 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.610 | 237 | 48723 | 3.631 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.851 | 196 | 82308 | 3.499 | ng | | 93 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021509.D
Acq On : 15 Aug 2024 11:18
Operator : RC/JU
Sample : P3390-03
Misc : MDL-MDL-SOIL-4ng
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-SOIL-03-QT3-2024

Quant Time: Aug 15 11:56:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 94548 | 3.618 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.263 | 154 | 430469 | 4.210 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.304 | 162 | 318437 | 4.000 | ng | | 98 |
| 48) 2-Nitroaniline | 13.492 | 65 | 70086 | 7.952 | ng | | 96 |
| 49) Acenaphthylene | 14.157 | 152 | 519429 | 4.439 | ng | | 99 |
| 50) Dimethylphthalate | 13.887 | 163 | 425703 | 4.399 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.998 | 165 | 63940 | 6.988 | ng | | 94 |
| 52) Acenaphthene | 14.504 | 154 | 313380 | 4.082 | ng | | 99 |
| 53) 3-Nitroaniline | 14.328 | 138 | 65445 | 7.097 | ng | # | 89 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 14845 | 6.395 | ng | # | 69 |
| 55) Dibenzofuran | 14.839 | 168 | 519511 | 4.398 | ng | | 99 |
| 56) 4-Nitrophenol | 14.628 | 139 | 47094 | 7.826 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 14.787 | 165 | 70860 | 7.577 | ng | | 91 |
| 58) Fluorene | 15.498 | 166 | 423248 | 4.362 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.069 | 232 | 89654 | 4.042 | ng | # | 98 |
| 60) Diethylphthalate | 15.275 | 149 | 436537 | 4.396 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.498 | 204 | 218063 | 4.348 | ng | | 99 |
| 62) 4-Nitroaniline | 15.498 | 138 | 69835 | 6.258 | ng | | 92 |
| 63) Azobenzene | 15.798 | 77 | 550767 | 4.512 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.569 | 198 | 23385 | 7.584 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.716 | 169 | 364586 | 4.118 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248 | 128341 | 3.671 | ng | | 99 |
| 68) Hexachlorobenzene | 16.528 | 284 | 161936 | 3.919 | ng | | 94 |
| 69) Atrazine | 16.686 | 200 | 126177 | 4.151 | ng | | 99 |
| 70) Pentachlorophenol | 16.875 | 266 | 66342 | 2.942 | ng | | 95 |
| 71) Phenanthrene | 17.281 | 178 | 683628 | 4.303 | ng | | 100 |
| 72) Anthracene | 17.375 | 178 | 648787 | 4.164 | ng | | 99 |
| 73) Carbazole | 17.651 | 167 | 608876 | 4.055 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.251 | 149 | 708923 | 3.844 | ng | | 99 |
| 75) Fluoranthene | 19.363 | 202 | 773721 | 3.969 | ng | | 99 |
| 77) Benzidine | 19.557 | 184 | 211373 | 6.819 | ng | | 99 |
| 78) Pyrene | 19.739 | 202 | 836851 | 4.135 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.704 | 149 | 208104 | 6.108 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.674 | 228 | 800948 | 4.121 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.598 | 252 | 216395 | 3.472 | ng | | 98 |
| 83) Chrysene | 21.745 | 228 | 759519 | 4.139 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.639 | 149 | 377936 | 3.290 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.951 | 149 | 444984 | 6.819 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.962 | 276 | 628413 | 3.255 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 24.021 | 252 | 684912 | 4.004 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.092 | 252 | 673993 | 4.039 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.927 | 252 | 557245 | 3.754 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.050 | 278 | 525517 | 3.276 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.145 | 276 | 505802 | 3.146 | ng | | 97 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021509.D
Acq On : 15 Aug 2024 11:18
Operator : RC/JU
Sample : P3390-03
Misc : MDL-MDL-SOIL-4ng
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-SOIL-03-QT3-2024

Quant Time: Aug 15 11:56:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration