Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071421\
Data File : BF124562.D
Acq On : 14 Jul 2021 13:44
Operator : JU/CG
Sample : M2940-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2021

**Manual Integrations APPROVED**
mohammad
7/16/2021 10:55:00 AM

Quant Time: Jul 14 14:12:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 13:25:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 7411 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.210 | 136 | 29255 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.969 | 164 | 16123 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 27943 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 19325 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.592 | 264 | 15387 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.551 | 112 | 55415 | 129.551 | ng | | 0.01 |
| 7) Phenol-d6 | 6.551 | 99 | 65399 | 125.682 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.492 | 82 | 39147 | 84.472 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 16327 | 130.130 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.286 | 172 | 93656 | 84.707 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.045 | 244 | 99137 | 86.143 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.816 | 88 | 1149 | 8.212 | ng | # | 100 |
| 3) Pyridine | 3.604 | 79 | 2230 | 6.214 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.504 | 42 | 2343 | 8.033 | ng | | 87 |
| 6) Aniline | 6.592 | 93 | 5168 | 9.426 | ng | | 95 |
| 8) 2-Chlorophenol | 6.710 | 128 | 3840 | 8.008 | ng | | 94 |
| 9) Benzaldehyde | 6.475 | 77 | 2646 | 8.668 | ng | | 98 |
| 10) Phenol | 6.557 | 94 | 3792 | 7.464 | ng | | 75 |
| 11) bis(2-Chloroethyl)ether | 6.657 | 93 | 3217 | 8.168 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.869 | 146 | 4545m | 8.659 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.945 | 146 | 4612 | 8.603 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.098 | 146 | 4309 | 8.458 | ng | | 96 |
| 15) Benzyl Alcohol | 7.057 | 79 | 3387m | 9.407 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192 | 45 | 5748 | 8.467 | ng | | 90 |
| 17) 2-Methylphenol | 7.157 | 107 | 2743 | 7.815 | ng | | 98 |
| 18) Hexachloroethane | 7.439 | 117 | 1682 | 8.332 | ng | | 85 |
| 19) n-Nitroso-di-n-propyla... | 7.328 | 70 | 2311 | 7.899 | ng | # | 90 |
| 20) 3+4-Methylphenols | 7.316 | 107 | 3653 | 7.905 | ng | | 93 |
| 22) Acetophenone | 7.328 | 105 | 5524 | 8.320 | ng | | 96 |
| 24) Nitrobenzene | 7.504 | 77 | 3649 | 7.941 | ng | | 94 |
| 25) Isophorone | 7.739 | 82 | 6189 | 7.275 | ng | | 99 |
| 26) 2-Nitrophenol | 7.816 | 139 | 2088 | 8.423 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.845 | 122 | 3663 | 8.918 | ng | # | 91 |
| 28) bis(2-Chloroethoxy)met... | 7.951 | 93 | 4000 | 8.060 | ng | # | 90 |
| 29) 2,4-Dichlorophenol | 8.051 | 162 | 3396 | 8.015 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.145 | 180 | 3733 | 7.962 | ng | | 91 |
| 31) Naphthalene | 8.228 | 128 | 12192 | 8.058 | ng | | 98 |
| 32) Benzoic acid | 7.904 | 122 | 1488 | 5.197 | ng | | 87 |
| 33) 4-Chloroaniline | 8.269 | 127 | 4865 | 8.508 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.345 | 225 | 2069 | 7.818 | ng | | 98 |
| 35) Caprolactam | 8.610 | 113 | 650 | 6.065 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 8.739 | 107 | 3118 | 7.442 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.922 | 142 | 8409 | 8.236 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.022 | 142 | 7413 | 7.731 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 9.086 | 216 | 3715 | 8.639 | ng | | 96 |
| 41) Hexachlorocyclopentadiene | 9.075 | 237 | 2750 | 10.237 | ng | | 92 |
| 43) 2,4,6-Trichlorophenol | 9.192 | 196 | 2282 | 7.351 | ng | | 96 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071421\
Data File : BF124562.D
Acq On : 14 Jul 2021 13:44
Operator : JU/CG
Sample : M2940-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2021

**Manual Integrations APPROVED**
mohammad
7/16/2021 10:55:00 AM

Quant Time: Jul 14 14:12:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 13:25:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.228 | 196 | 2626 | 8.201 | ng | # | 88 |
| 46) 1,1'-Biphenyl | 9.381 | 154 | 10274 | 8.390 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.410 | 162 | 7787 | 8.111 | ng | | 96 |
| 48) 2-Nitroaniline | 9.498 | 65 | 1819 | 7.879 | ng | | 83 |
| 49) Acenaphthylene | 9.828 | 152 | 12264 | 8.186 | ng | | 99 |
| 50) Dimethylphthalate | 9.675 | 163 | 9264 | 8.259 | ng | # | 95 |
| 51) 2,6-Dinitrotoluene | 9.739 | 165 | 1968 | 8.899 | ng | | 94 |
| 52) Acenaphthene | 9.998 | 154 | 7700 | 8.038 | ng | | 97 |
| 53) 3-Nitroaniline | 9.904 | 138 | 1961 | 7.947 | ng | # | 89 |
| 54) 2,4-Dinitrophenol | 10.010 | 184 | 592 | 5.130 | ng | # | 73 |
| 55) Dibenzofuran | 10.169 | 168 | 11182 | 7.939 | ng | | 98 |
| 56) 4-Nitrophenol | 10.045 | 139 | 1340 | 6.524 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 10.139 | 165 | 2420 | 7.994 | ng | | 89 |
| 58) Fluorene | 10.510 | 166 | 8489 | 7.792 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.280 | 232 | 1737 | 7.024 | ng | # | 94 |
| 60) Diethylphthalate | 10.380 | 149 | 9430 | 8.040 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 4052 | 8.194 | ng | | 92 |
| 62) 4-Nitroaniline | 10.516 | 138 | 2052 | 8.251 | ng | | 90 |
| 63) Azobenzene | 10.669 | 77 | 7735 | 7.545 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198 | 959 | 6.008 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.622 | 169 | 7508 | 8.252 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248 | 2475 | 8.566 | ng | | 98 |
| 68) Hexachlorobenzene | 11.057 | 284 | 2618 | 8.843 | ng | | 97 |
| 69) Atrazine | 11.145 | 200 | 2407 | 8.638 | ng | | 89 |
| 70) Pentachlorophenol | 11.245 | 266 | 1597 | 8.529 | ng | # | 85 |
| 71) Phenanthrene | 11.475 | 178 | 12530 | 8.219 | ng | | 97 |
| 72) Anthracene | 11.527 | 178 | 13015 | 8.510 | ng | | 99 |
| 73) Carbazole | 11.680 | 167 | 11414 | 8.077 | ng | | 96 |
| 74) Di-n-butylphthalate | 12.010 | 149 | 15599 | 8.194 | ng | | 99 |
| 75) Fluoranthene | 12.663 | 202 | 11996 | 7.799 | ng | | 94 |
| 77) Benzidine | 12.786 | 184 | 7469 | 10.339 | ng | | 99 |
| 78) Pyrene | 12.892 | 202 | 12653 | 7.881 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.510 | 149 | 5990 | 7.716 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 10335 | 8.064 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.045 | 252 | 3675 | 10.947 | ng | | 88 |
| 83) Chrysene | 14.121 | 228 | 9874 | 8.042 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 14.074 | 149 | 8192 | 7.860 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.686 | 149 | 11489 | 7.618 | ng | # | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 17.092 | 276 | 6276 | 7.033 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 8223 | 7.445 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 7752 | 7.650 | ng | | 96 |
| 90) Benzo(a)pyrene | 15.521 | 252 | 7353 | 8.065 | ng | # | 92 |
| 91) Dibenzo(a,h)anthracene | 17.115 | 278 | 5436 | 7.157 | ng | # | 87 |
| 92) Benzo(g,h,i)perylene | 17.545 | 276 | 5232 | 7.055 | ng | # | 89 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071421\
Data File : BF124562.D
Acq On : 14 Jul 2021 13:44
Operator : JU/CG
Sample : M2940-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 14 14:12:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 13:25:43 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT3-2021

**Manual Integrations APPROVED**
mohammad
7/16/2021 10:55:00 AM