Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
Data File : BF135268.D
Acq On : 14 Sep 2023 22:46
Operator : CG\JU
Sample : 04283-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-2MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:38:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.763 | 152 | 119974 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.045 | 136 | 457701 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.804 | 164 | 213284 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.292 | 188 | 340011 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.951 | 240 | 209162 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 223694 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 722507 | 97.948 | ng | | 0.02 |
| 7) Phenol-d6 | 6.416 | 99 | 913017 | 97.341 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.334 | 82 | 573354 | 68.057 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.598 | 330 | 179968 | 84.910 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.122 | 172 | 1004536 | 71.059 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.886 | 244 | 843557 | 62.520 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 141225 | 43.673 | ng | | 99 |
| 3) Pyridine | 3.328 | 79 | 349614 | 40.171 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.299 | 42 | 228022 | 49.373 | ng | | 95 |
| 6) Aniline | 6.434 | 93 | 419490 | 34.106 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.551 | 128 | 402740 | 51.145 | ng | | 97 |
| 9) Benzaldehyde | 6.316 | 77 | 149415 | 27.963 | ng | | 96 |
| 10) Phenol | 6.428 | 94 | 463344 | 45.050 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.504 | 93 | 380342 | 49.299 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.704 | 146 | 406741 | 50.826 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.781 | 146 | 413731 | 50.815 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.934 | 146 | 388394 | 51.368 | ng | | 98 |
| 15) Benzyl Alcohol | 6.916 | 79 | 347576 | 51.641 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.039 | 45 | 709439 | 48.785 | ng | | 90 |
| 17) 2-Methylphenol | 7.028 | 107 | 309949 | 44.604 | ng | | 96 |
| 18) Hexachloroethane | 7.269 | 117 | 151371 | 50.317 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.186 | 70 | 264832 | 45.584 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.181 | 107 | 362517 | 43.385 | ng | | 92 |
| 22) Acetophenone | 7.175 | 105 | 521018 | 49.790 | ng | # | 97 |
| 24) Nitrobenzene | 7.351 | 77 | 414291 | 49.754 | ng | | 98 |
| 25) Isophorone | 7.592 | 82 | 765582 | 49.489 | ng | | 99 |
| 26) 2-Nitrophenol | 7.663 | 139 | 197415 | 49.398 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.710 | 122 | 316180 | 47.068 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.798 | 93 | 465416 | 50.266 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.910 | 162 | 305592 | 49.095 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.986 | 180 | 336778 | 51.764 | ng | | 99 |
| 31) Naphthalene | 8.069 | 128 | 1088312 | 48.939 | ng | | 100 |
| 32) Benzoic acid | 7.833 | 122 | 157112m | 31.060 | ng | | |
| 33) 4-Chloroaniline | 8.122 | 127 | 323745 | 33.181 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.181 | 225 | 201555 | 51.377 | ng | | 99 |
| 35) Caprolactam | 8.504 | 113 | 92552m | 44.303 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.610 | 107 | 317554 | 45.902 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.757 | 142 | 690005 | 46.159 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.857 | 142 | 652608 | 46.630 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.922 | 216 | 330634 | 53.509 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.904 | 237 | 132403 | 51.526 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.039 | 196 | 199621 | 49.342 | ng | | 97 |

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Quant Time: Sep 15 01:38:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.086 | 196 | 203379 | 43.653 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.228 | 154 | 849386 | 51.822 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.251 | 162 | 633296 | 53.253 | ng | | 98 |
| 48) 2-Nitroaniline | 9.351 | 65 | 239174 | 51.768 | ng | | 95 |
| 49) Acenaphthylene | 9.669 | 152 | 1013377 | 51.274 | ng | | 99 |
| 50) Dimethylphthalate | 9.533 | 163 | 758943 | 52.631 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.598 | 165 | 164280 | 52.004 | ng | | 89 |
| 52) Acenaphthene | 9.839 | 154 | 582431 | 49.885 | ng | | 98 |
| 53) 3-Nitroaniline | 9.769 | 138 | 161471 | 43.545 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.875 | 184 | 34343 | 23.902 | ng | # | 88 |
| 55) Dibenzofuran | 10.010 | 168 | 855853 | 48.036 | ng | | 99 |
| 56) 4-Nitrophenol | 9.939 | 139 | 179419 | 76.132 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.004 | 165 | 186175 | 47.076 | ng | | 91 |
| 58) Fluorene | 10.357 | 166 | 633882 | 46.279 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.133 | 232 | 151997 | 42.411 | ng | | 98 |
| 60) Diethylphthalate | 10.233 | 149 | 735160 | 50.799 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204 | 308320 | 46.861 | ng | | 96 |
| 62) 4-Nitroaniline | 10.386 | 138 | 146185 | 41.012 | ng | | 95 |
| 63) Azobenzene | 10.510 | 77 | 646747 | 45.663 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198 | 30912 | 17.117 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.469 | 169 | 577376 | 56.090 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248 | 187950 | 55.579 | ng | | 100 |
| 68) Hexachlorobenzene | 10.904 | 284 | 194024 | 56.318 | ng | | 98 |
| 69) Atrazine | 11.004 | 200 | 168911 | 60.984 | ng | | 99 |
| 70) Pentachlorophenol | 11.098 | 266 | 126160 | 61.206 | ng | | 96 |
| 71) Phenanthrene | 11.322 | 178 | 825607 | 51.340 | ng | | 99 |
| 72) Anthracene | 11.369 | 178 | 847528 | 51.273 | ng | | 99 |
| 73) Carbazole | 11.533 | 167 | 744737 | 49.493 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.863 | 149 | 1024765 | 57.795 | ng | | 100 |
| 75) Fluoranthene | 12.510 | 202 | 832163 | 49.663 | ng | | 99 |
| 77) Benzidine | 12.639 | 184 | 226879 | 52.946 | ng | | 98 |
| 78) Pyrene | 12.745 | 202 | 843249 | 42.345 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.368 | 149 | 359333 | 51.250 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.939 | 228 | 673138 | 49.839 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.904 | 252 | 220215 | 52.200 | ng | # | 99 |
| 83) Chrysene | 13.980 | 228 | 655262 | 48.797 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 442443 | 61.494 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.551 | 149 | 795178 | 69.545 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 595045 | 40.571 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 653041 | 53.929 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 630108 | 52.676 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 553508 | 47.932 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.915 | 278 | 494890 | 41.239 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 464353 | 37.050 | ng | | 100 |

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

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