Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
Data File : BF136668.D
Acq On : 21 Dec 2023 13:46
Operator : CG\JU
Sample : 05602-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SPRING-VALLEY-TP-3MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
12/22/2023
Supervised By :mohammad ahmed
12/22/2023

Quant Time: Dec 21 14:17:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 78668 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.057 | 136 | 282348 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.816 | 164 | 120542 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.304 | 188 | 188308 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.962 | 240 | 152408 | 20.000 | ng | | # 0.00 |
| 86) Perylene-d12 | 15.433 | 264 | 142494 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 469892 | 93.197 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 582400 | 89.146 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 360330 | 65.304 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 116389 | 81.984 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.139 | 172 | 649770 | 72.500 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.898 | 244 | 552800 | 50.688 | ng | | -0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.581 | 88 | 77100 | 36.701 | ng | | 100 |
| 3) Pyridine | 3.334 | 79 | 189733 | 37.017 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.304 | 42 | 120421 | 43.995 | ng | | 97 |
| 6) Aniline | 6.451 | 93 | 206765 | 31.655 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.575 | 128 | 242867 | 44.017 | ng | | 94 |
| 9) Benzaldehyde | 6.333 | 77 | 93697 | 25.214 | ng | | 93 |
| 10) Phenol | 6.445 | 94 | 295581 | 42.383 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 241962 | 45.621 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.722 | 146 | 247139 | 41.060 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.798 | 146 | 254739 | 41.420 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 237031 | 41.419 | ng | | 99 |
| 15) Benzyl Alcohol | 6.933 | 79 | 193648 | 43.936 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057 | 45 | 371763 | 42.873 | ng | | 91 |
| 17) 2-Methylphenol | 7.045 | 107 | 193891 | 42.419 | ng | | 97 |
| 18) Hexachloroethane | 7.286 | 117 | 90135 | 40.355 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 163829 | 41.368 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 232567 | 40.726 | ng | # | 83 |
| 22) Acetophenone | 7.192 | 105 | 332406 | 46.970 | ng | | 96 |
| 24) Nitrobenzene | 7.369 | 77 | 246718 | 44.636 | ng | | 94 |
| 25) Isophorone | 7.604 | 82 | 445850 | 44.407 | ng | | 99 |
| 26) 2-Nitrophenol | 7.680 | 139 | 123720 | 46.784 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.722 | 122 | 180346 | 56.016 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 278021 | 45.556 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.922 | 162 | 185410 | 44.732 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.004 | 180 | 198562 | 42.996 | ng | | 98 |
| 31) Naphthalene | 8.080 | 128 | 672386 | 43.348 | ng | | 100 |
| 32) Benzoic acid | 7.863 | 122 | 136783 | 43.909 | ng | | 98 |
| 33) 4-Chloroaniline | 8.139 | 127 | 159137 | 27.787 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.198 | 225 | 118610 | 42.273 | ng | | 100 |
| 35) Caprolactam | 8.510 | 113 | 59362m | 43.413 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.622 | 107 | 188970 | 40.497 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.775 | 142 | 412587 | 41.330 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.875 | 142 | 388956 | 39.714 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.939 | 216 | 196170 | 52.549 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.922 | 237 | 82515 | 69.977 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.057 | 196 | 115738 | 48.343 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.098 | 196 | 123219 | 46.186 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.239 | 154 | 519651 | 51.373 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.263 | 162 | 364342 | 47.380 | ng | | 100 |
| 48) 2-Nitroaniline | 9.363 | 65 | 113865 | 47.285 | ng | | 97 |
| 49) Acenaphthylene | 9.680 | 152 | 577267 | 49.113 | ng | | 100 |
| 50) Dimethylphthalate | 9.545 | 163 | 422214 | 47.953 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 89744 | 44.912 | ng | | 99 |
| 52) Acenaphthene | 9.851 | 154 | 321332 | 44.103 | ng | | 99 |
| 53) 3-Nitroaniline | 9.774 | 138 | 76819 | 36.291 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.886 | 184 | 86468 | 78.167 | ng | # | 82 |
| 55) Dibenzofuran | 10.022 | 168 | 489614 | 44.331 | ng | | 98 |
| 56) 4-Nitrophenol | 9.951 | 139 | 114992 | 80.474 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.010 | 165 | 105496 | 40.668 | ng | | 99 |
| 58) Fluorene | 10.369 | 166 | 366146 | 41.781 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232 | 90467 | 44.051 | ng | | 99 |
| 60) Diethylphthalate | 10.245 | 149 | 410085 | 44.890 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.357 | 204 | 180789 | 42.443 | ng | | 98 |
| 62) 4-Nitroaniline | 10.392 | 138 | 72167m | 35.366 | ng | | |
| 63) Azobenzene | 10.521 | 77 | 353308 | 41.407 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.421 | 198 | 53222 | 49.317 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.480 | 169 | 324584 | 53.062 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248 | 101466 | 48.518 | ng | | 98 |
| 68) Hexachlorobenzene | 10.916 | 284 | 107954 | 46.321 | ng | | 97 |
| 69) Atrazine | 11.016 | 200 | 95915 | 61.304 | ng | | 97 |
| 70) Pentachlorophenol | 11.116 | 266 | 104367 | 96.075 | ng | | 99 |
| 71) Phenanthrene | 11.333 | 178 | 462512 | 47.868 | ng | | 99 |
| 72) Anthracene | 11.386 | 178 | 472019 | 48.238 | ng | | 99 |
| 73) Carbazole | 11.545 | 167 | 430064 | 46.616 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 557380 | 49.512 | ng | | 100 |
| 75) Fluoranthene | 12.521 | 202 | 507116 | 49.067 | ng | | 98 |
| 77) Benzidine | 12.651 | 184 | 146286 | 32.552 | ng | | 99 |
| 78) Pyrene | 12.751 | 202 | 529474 | 35.389 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 235196 | 43.203 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 487637 | 46.077 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 153000 | 50.907 | ng | | 99 |
| 83) Chrysene | 13.992 | 228 | 464022 | 44.837 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 337459 | 49.267 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 641306 | 60.527 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.933 | 276 | 381506 | 37.082 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 474106 | 49.815 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 385536 | 42.871 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 362917 | 45.175 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.950 | 278 | 318026 | 37.679 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.386 | 276 | 293450 | 33.945 | ng | | 100 |

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

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