Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
Data File : BF135049.D
Acq On : 31 Aug 2023 19:22
Operator : CG\JU
Sample : 04189-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-01(48-50)MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 01:50:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.775 | 152 | 110379 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.051 | 136 | 471445 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.816 | 164 | 241931 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.304 | 188 | 441601 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 187700 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 241140 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 860337 | 120.393 | ng | 0.01 |
| 7) Phenol-d6 | 6.416 | 99 | 1084941 | 121.807 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.339 | 82 | 686444 | 81.801 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 303158 | 118.127 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.133 | 172 | 1210290 | 81.448 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 1056325 | 91.839 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.557 | 88 | 131462 | 43.430 | ng | 97 |
| 3) Pyridine | 3.304 | 79 | 337669 | 41.378 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.275 | 42 | 197559 | 49.503 | ng | 99 |
| 6) Aniline | 6.439 | 93 | 458080 | 41.485 | ng | 94 |
| 8) 2-Chlorophenol | 6.557 | 128 | 403825 | 55.624 | ng | 97 |
| 9) Benzaldehyde | 6.328 | 77 | 145635 | 32.089 | ng | 93 |
| 10) Phenol | 6.434 | 94 | 490664 | 52.472 | ng | 83 |
| 11) bis(2-Chloroethyl)ether | 6.516 | 93 | 371118 | 52.705 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.716 | 146 | 397319 | 53.120 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.792 | 146 | 407871 | 54.484 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.939 | 146 | 386338 | 55.303 | ng | 98 |
| 15) Benzyl Alcohol | 6.922 | 79 | 343954 | 56.364 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.051 | 45 | 615688 | 52.213 | ng | 99 |
| 17) 2-Methylphenol | 7.034 | 107 | 318258 | 50.307 | ng | 97 |
| 18) Hexachloroethane | 7.281 | 117 | 150962 | 54.438 | ng | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.192 | 70 | 270190 | 51.068 | ng | 94 |
| 20) 3+4-Methylphenols | 7.186 | 107 | 378990 | 50.780 | ng | 96 |
| 22) Acetophenone | 7.186 | 105 | 529235 | 50.469 | ng | 98 |
| 24) Nitrobenzene | 7.357 | 77 | 414349 | 48.136 | ng | 98 |
| 25) Isophorone | 7.598 | 82 | 774104 | 48.654 | ng | 100 |
| 26) 2-Nitrophenol | 7.675 | 139 | 221849 | 52.164 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.716 | 122 | 328299 | 47.947 | ng | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.810 | 93 | 471686 | 49.146 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.916 | 162 | 331161 | 50.889 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.992 | 180 | 358787 | 51.019 | ng | 98 |
| 31) Naphthalene | 8.075 | 128 | 1113878 | 48.367 | ng | 99 |
| 32) Benzoic acid | 7.851 | 122 | 240939 | 43.989 | ng | 98 |
| 33) 4-Chloroaniline | 8.128 | 127 | 330172 | 32.778 | ng | 98 |
| 34) Hexachlorobutadiene | 8.192 | 225 | 205125 | 51.397 | ng | 98 |
| 35) Caprolactam | 8.510 | 113 | 107547m | 50.474 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.616 | 107 | 356039 | 50.373 | ng | 96 |
| 37) 2-Methylnaphthalene | 8.769 | 142 | 732033 | 47.639 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.869 | 142 | 698697 | 48.596 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.933 | 216 | 340947 | 50.342 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 8.922 | 237 | 318145 | 110.369 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.051 | 196 | 233297 | 51.293 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.092 | 196 | 247443 | 46.991 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.233 | 154 | 927474 | 50.177 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.263 | 162 | 702441 | 50.536 | ng | | 99 |
| 48) 2-Nitroaniline | 9.363 | 65 | 236407 | 49.684 | ng | | 97 |
| 49) Acenaphthylene | 9.675 | 152 | 1061959 | 50.541 | ng | | 100 |
| 50) Dimethylphthalate | 9.545 | 163 | 829274 | 48.953 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 190211 | 51.172 | ng | # | 82 |
| 52) Acenaphthene | 9.851 | 154 | 651363 | 48.645 | ng | | 99 |
| 53) 3-Nitroaniline | 9.775 | 138 | 162096 | 37.436 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.886 | 184 | 135954 | 76.528 | ng | | 94 |
| 55) Dibenzofuran | 10.022 | 168 | 939636 | 48.646 | ng | | 100 |
| 56) 4-Nitrophenol | 9.945 | 139 | 269575 | 88.568 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 230848 | 49.834 | ng | | 97 |
| 58) Fluorene | 10.369 | 166 | 718009 | 48.758 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.139 | 232 | 205592 | 50.703 | ng | | 99 |
| 60) Diethylphthalate | 10.245 | 149 | 776214 | 48.676 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.357 | 204 | 349929 | 48.041 | ng | | 99 |
| 62) 4-Nitroaniline | 10.398 | 138 | 190328 | 44.923 | ng | | 95 |
| 63) Azobenzene | 10.522 | 77 | 769251 | 47.908 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 114409 | 42.807 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.480 | 169 | 663483 | 48.321 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248 | 228853 | 48.860 | ng | | 99 |
| 68) Hexachlorobenzene | 10.916 | 284 | 254420 | 52.532 | ng | | 97 |
| 70) Pentachlorophenol | 11.110 | 266 | 205208 | 70.035 | ng | | 97 |
| 71) Phenanthrene | 11.333 | 178 | 1098285 | 48.208 | ng | | 100 |
| 72) Anthracene | 11.386 | 178 | 1114658 | 47.886 | ng | | 99 |
| 73) Carbazole | 11.539 | 167 | 910228 | 45.337 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 1176596 | 48.616 | ng | | 99 |
| 75) Fluoranthene | 12.521 | 202 | 1000636 | 43.441 | ng | | 99 |
| 77) Benzidine | 12.651 | 184 | 335169 | 99.058 | ng | | 98 |
| 78) Pyrene | 12.757 | 202 | 956734 | 53.685 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 339387 | 52.715 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 629738 | 49.184 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 193442 | 50.069 | ng | | 98 |
| 83) Chrysene | 13.986 | 228 | 602835 | 47.909 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 389171 | 58.410 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 732025 | 71.981 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 823948 | 50.728 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 745489 | 49.685 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 658278 | 45.413 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.368 | 252 | 650507 | 46.670 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 664255 | 50.494 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.362 | 276 | 643559 | 47.037 | ng | | 98 |

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

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