Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136512.D
Acq On : 12 Dec 2023 12:58
Operator : CG\JU
Sample : PB157637BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 12 13:29:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB157637BS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 128406 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 540039 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.833 | 164 | 290059 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.327 | 188 | 545658 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 272290 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.456 | 264 | 264163 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.451 | 112 | 973857 | 112.006 | ng | | 0.02 |
| 7) Phenol-d6 | 6.451 | 99 | 1220400 | 112.500 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 752706 | 75.349 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.633 | 330 | 426123 | 119.147 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1580467 | 74.349 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.921 | 244 | 1728537 | 83.671 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.651 | 88 | 115369 | 33.547 | ng | | 98 |
| 3) Pyridine | 3.416 | 79 | 268001 | 32.179 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.381 | 42 | 136258 | 37.658 | ng | | 92 |
| 6) Aniline | 6.463 | 93 | 386633 | 35.267 | ng | # | 6 |
| 8) 2-Chlorophenol | 6.586 | 128 | 394337 | 41.544 | ng | | 100 |
| 9) Benzaldehyde | 6.351 | 77 | 191450 | 33.648 | ng | | 98 |
| 10) Phenol | 6.463 | 94 | 447898 | 38.802 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.539 | 93 | 341750 | 39.719 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 389602 | 36.497 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 403168 | 37.232 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 385292 | 37.838 | ng | | 99 |
| 15) Benzyl Alcohol | 6.945 | 79 | 302865 | 41.693 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 416968 | 37.679 | ng | | 94 |
| 17) 2-Methylphenol | 7.063 | 107 | 314858 | 41.058 | ng | | 95 |
| 18) Hexachloroethane | 7.304 | 117 | 142101 | 37.587 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 246349 | 39.367 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 380742 | 40.000 | ng | # | 82 |
| 22) Acetophenone | 7.210 | 105 | 528813 | 39.654 | ng | # | 95 |
| 24) Nitrobenzene | 7.381 | 77 | 371017 | 36.920 | ng | | 99 |
| 25) Isophorone | 7.622 | 82 | 704129 | 39.233 | ng | | 97 |
| 26) 2-Nitrophenol | 7.698 | 139 | 209230 | 42.351 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 350798 | 57.585 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 439629 | 39.864 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 331286 | 41.200 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 355004 | 37.863 | ng | | 98 |
| 31) Naphthalene | 8.098 | 128 | 1130170 | 37.949 | ng | | 99 |
| 32) Benzoic acid | 7.880 | 122 | 261217 | 43.225 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 288913 | 27.212 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 202279 | 36.403 | ng | | 98 |
| 35) Caprolactam | 8.533 | 113 | 110435m | 44.599 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 355672 | 41.659 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 750064 | 39.589 | ng | | 94 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 696216 | 37.448 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 362622 | 40.183 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 354940 | 106.167 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 243744 | 41.482 | ng | | 99 |

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Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 264716 | 40.365 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 974821 | 39.497 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.280 | 162 | 732307 | 38.122 | ng | | 97 |
| 48) 2-Nitroaniline | 9.380 | 65 | 211080 | 40.969 | ng | | 94 |
| 49) Acenaphthylene | 9.698 | 152 | 1092532 | 39.925 | ng | | 99 |
| 50) Dimethylphthalate | 9.569 | 163 | 893284 | 41.830 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.627 | 165 | 196003 | 40.797 | ng | | 96 |
| 52) Acenaphthene | 9.869 | 154 | 686213 | 39.132 | ng | | 97 |
| 53) 3-Nitroaniline | 9.798 | 138 | 163363 | 33.299 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 213831 | 88.031 | ng | | 98 |
| 55) Dibenzofuran | 10.045 | 168 | 1014211 | 39.591 | ng | | 100 |
| 56) 4-Nitrophenol | 9.974 | 139 | 299743 | 81.501 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 10.033 | 165 | 255392 | 40.184 | ng | | 92 |
| 58) Fluorene | 10.386 | 166 | 812020 | 39.488 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 231489 | 44.067 | ng | | 99 |
| 60) Diethylphthalate | 10.269 | 149 | 863226 | 41.108 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 401879 | 40.089 | ng | | 94 |
| 62) 4-Nitroaniline | 10.416 | 138 | 196508 | 40.339 | ng | | 96 |
| 63) Azobenzene | 10.539 | 77 | 747476 | 39.107 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 151238 | 44.754 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 734960 | 41.976 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 260435 | 41.051 | ng | # | 92 |
| 68) Hexachlorobenzene | 10.933 | 284 | 293104 | 39.974 | ng | | 98 |
| 69) Atrazine | 11.039 | 200 | 326257 | 65.286 | ng | | 98 |
| 70) Pentachlorophenol | 11.133 | 266 | 297683 | 71.934 | ng | | 99 |
| 71) Phenanthrene | 11.351 | 178 | 1229282 | 40.987 | ng | | 99 |
| 72) Anthracene | 11.404 | 178 | 1245701 | 41.237 | ng | | 99 |
| 73) Carbazole | 11.563 | 167 | 1041707 | 38.962 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 1315384 | 40.132 | ng | | 99 |
| 75) Fluoranthene | 12.545 | 202 | 1159059 | 36.878 | ng | | 98 |
| 77) Benzidine | 12.668 | 184 | 293975 | 44.209 | ng | | 99 |
| 78) Pyrene | 12.774 | 202 | 1140794 | 42.779 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.398 | 149 | 405570 | 42.723 | ng | | 91 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 784059 | 41.339 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.933 | 252 | 247909 | 46.618 | ng | | 99 |
| 83) Chrysene | 14.009 | 228 | 751712 | 40.283 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.962 | 149 | 491701 | 42.251 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 743492 | 43.252 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.968 | 276 | 858422 | 46.775 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 736414 | 40.773 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.057 | 252 | 700705 | 41.166 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 635616 | 42.613 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.992 | 278 | 707667 | 47.069 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.427 | 276 | 704200 | 45.634 | ng | | 99 |

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

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