Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135514.D
Acq On : 29 Sep 2023 14:09
Operator : CG\JU
Sample : 04620-10MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 00:19:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 30 00:12:20 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
STONE-INMS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.746 | 152 | 153108 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.028 | 136 | 562162 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.781 | 164 | 257862 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.275 | 188 | 411269 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 13.933 | 240 | 254064 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.392 | 264 | 304026 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 1143260 | 121.447 | ng | | 0.02 |
| 7) Phenol-d6 | 6.404 | 99 | 1320120 | 110.286 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.316 | 82 | 949894 | 91.801 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.581 | 330 | 262673 | 102.506 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.104 | 172 | 1504629 | 88.034 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.869 | 244 | 1204435 | 73.490 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 200070 | 48.481 | ng | # | 78 |
| 3) Pyridine | 3.375 | 79 | 392695 | 35.357 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.305 | 42 | 294026 | 49.887 | ng | | 94 |
| 6) Aniline | 6.422 | 93 | 309070 | 19.690 | ng | # | 50 |
| 8) 2-Chlorophenol | 6.540 | 128 | 478599 | 47.626 | ng | | 98 |
| 9) Benzaldehyde | 6.310 | 77 | 82058 | 12.034 | ng | | 99 |
| 10) Phenol | 6.416 | 94 | 511190 | 38.946 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.493 | 93 | 488578 | 49.624 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.687 | 146 | 464659 | 45.498 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.769 | 146 | 469819 | 45.216 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.916 | 146 | 436398 | 45.226 | ng | | 98 |
| 15) Benzyl Alcohol | 6.898 | 79 | 405049 | 47.156 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.028 | 45 | 864498 | 46.583 | ng | | 84 |
| 17) 2-Methylphenol | 7.016 | 107 | 362350 | 40.861 | ng | | 94 |
| 18) Hexachloroethane | 7.251 | 117 | 164508 | 42.849 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.169 | 70 | 314284 | 42.389 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.169 | 107 | 441594 | 41.412 | ng | # | 83 |
| 22) Acetophenone | 7.163 | 105 | 620739 | 48.297 | ng | | 93 |
| 24) Nitrobenzene | 7.334 | 77 | 505288 | 49.406 | ng | | 98 |
| 25) Isophorone | 7.575 | 82 | 928147 | 48.849 | ng | | 99 |
| 26) 2-Nitrophenol | 7.651 | 139 | 229935 | 46.844 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.693 | 122 | 367884 | 44.589 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.781 | 93 | 580789 | 51.071 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.893 | 162 | 360706 | 47.181 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.969 | 180 | 385073 | 48.189 | ng | | 99 |
| 31) Naphthalene | 8.045 | 128 | 1288686 | 47.181 | ng | | 99 |
| 32) Benzoic acid | 7.828 | 122 | 237718 | 38.263 | ng | | 99 |
| 33) 4-Chloroaniline | 8.104 | 127 | 165177 | 13.783 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.157 | 225 | 214552 | 44.528 | ng | | 99 |
| 35) Caprolactam | 8.481 | 113 | 95171m | 37.092 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.598 | 107 | 374456 | 44.069 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.739 | 142 | 788639 | 42.954 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.839 | 142 | 760189 | 44.224 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.904 | 216 | 366488 | 49.058 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.887 | 237 | 131111 | 43.538 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.028 | 196 | 236959 | 48.446 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.075 | 196 | 245739 | 43.626 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.204 | 154 | 974325 | 49.168 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.234 | 162 | 726731 | 50.545 | ng | | 99 |
| 48) 2-Nitroaniline | 9.339 | 65 | 277138 | 49.615 | ng | | 96 |
| 49) Acenaphthylene | 9.645 | 152 | 1152198 | 48.219 | ng | | 99 |
| 50) Dimethylphthalate | 9.510 | 163 | 827256 | 47.450 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.581 | 165 | 174159 | 45.600 | ng | | 90 |
| 52) Acenaphthene | 9.816 | 154 | 671497 | 47.570 | ng | | 95 |
| 53) 3-Nitroaniline | 9.751 | 138 | 130153 | 29.032 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.869 | 184 | 102726 | 49.927 | ng | | 95 |
| 55) Dibenzofuran | 9.992 | 168 | 958657 | 44.505 | ng | | 99 |
| 56) 4-Nitrophenol | 9.934 | 139 | 180461 | 63.336 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 9.986 | 165 | 189112 | 39.552 | ng | # | 80 |
| 58) Fluorene | 10.334 | 166 | 736232 | 44.460 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232 | 180954 | 41.762 | ng | | 99 |
| 60) Diethylphthalate | 10.210 | 149 | 796913 | 45.547 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.328 | 204 | 343051 | 43.126 | ng | | 93 |
| 62) 4-Nitroaniline | 10.369 | 138 | 173177 | 40.186 | ng | | 95 |
| 63) Azobenzene | 10.486 | 77 | 816607 | 47.688 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198 | 76247 | 34.906 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.451 | 169 | 663601 | 53.297 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248 | 209920 | 51.321 | ng | | 93 |
| 68) Hexachlorobenzene | 10.881 | 284 | 215815 | 51.790 | ng | # | 87 |
| 69) Atrazine | 10.981 | 200 | 184182 | 54.976 | ng | | 98 |
| 70) Pentachlorophenol | 11.086 | 266 | 180696 | 72.475 | ng | | 99 |
| 71) Phenanthrene | 11.298 | 178 | 979380 | 50.350 | ng | | 99 |
| 72) Anthracene | 11.351 | 178 | 996110 | 49.821 | ng | | 99 |
| 73) Carbazole | 11.516 | 167 | 912423 | 50.131 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.845 | 149 | 1156246 | 53.912 | ng | | 100 |
| 75) Fluoranthene | 12.492 | 202 | 991649 | 48.927 | ng | | 98 |
| 77) Benzidine | 12.622 | 184 | 159620 | 30.667 | ng | | 99 |
| 78) Pyrene | 12.722 | 202 | 1000211 | 41.350 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.345 | 149 | 427538 | 50.201 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.922 | 228 | 818167 | 49.871 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.886 | 252 | 167594 | 32.705 | ng | # | 97 |
| 83) Chrysene | 13.957 | 228 | 810148 | 49.669 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149 | 575187 | 65.815 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.527 | 149 | 1044755 | 75.224 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 846262 | 42.453 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 14.969 | 252 | 887483 | 53.924 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 14.998 | 252 | 730180 | 44.913 | ng | # | 97 |
| 90) Benzo(a)pyrene | 15.333 | 252 | 735934 | 46.890 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 696281 | 42.690 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.315 | 276 | 668672 | 39.255 | ng | | 96 |

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

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