Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022221\
Data File : BF123255.D
Acq On : 22 Feb 2021 12:36
Operator : JU/CG
Sample : PB134747BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB134747BS

**Manual Integrations APPROVED**
mohammad
2/23/2021 3:44:00 PM

Quant Time: Feb 22 13:50:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.857 | 152 | 114516 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.145 | 136 | 466159 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 244460 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 462269 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 389817 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.515 | 264 | 355406 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 1315237 | 165.32 | ng | | 0.02 |
| 7) Phenol-d6 | 6.498 | 99 | 1336389 | 123.64 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 894630 | 87.85 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 336740 | 135.28 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.222 | 172 | 1441022 | 84.67 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 1622968 | 80.06 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.687 | 88 | 180334 | 39.28 | ng | | 89 |
| 3) Pyridine | 3.434 | 79 | 504613 | 45.11 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 266473 | 51.51 | ng | | 88 |
| 6) Aniline | 6.522 | 93 | 364614 | 28.56 | ng | | 94 |
| 8) 2-Chlorophenol | 6.645 | 128 | 405636 | 47.46 | ng | | 93 |
| 9) Benzaldehyde | 6.404 | 77 | 191435 | 32.71 | ng | | 91 |
| 10) Phenol | 6.510 | 94 | 521842 | 44.30 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.592 | 93 | 404462 | 47.87 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.798 | 146 | 414227 | 46.59 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.875 | 146 | 420691 | 46.43 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.028 | 146 | 402577 | 47.76 | ng | | 95 |
| 15) Benzyl Alcohol | 7.004 | 79 | 391984 | 46.51 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.133 | 45 | 521074 | 44.96 | ng | | 98 |
| 17) 2-Methylphenol | 7.116 | 107 | 339352 | 47.20 | ng | | 94 |
| 18) Hexachloroethane | 7.369 | 117 | 163450 | 49.94 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 308194 | 47.93 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 425714 | 45.09 | ng | # | 89 |
| 22) Acetophenone | 7.269 | 105 | 574573 | 47.52 | ng | # | 91 |
| 24) Nitrobenzene | 7.439 | 77 | 485362 | 45.21 | ng | | 90 |
| 25) Isophorone | 7.681 | 82 | 835839 | 43.89 | ng | | 96 |
| 26) 2-Nitrophenol | 7.757 | 139 | 210123 | 46.72 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.798 | 122 | 342054 | 49.13 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.892 | 93 | 496627 | 49.83 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 327402 | 45.55 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.080 | 180 | 350328 | 44.82 | ng | | 99 |
| 31) Naphthalene | 8.163 | 128 | 1140647 | 44.65 | ng | | 100 |
| 32) Benzoic acid | 7.933 | 122 | 246514 | 48.00 | ng | | 89 |
| 33) 4-Chloroaniline | 8.210 | 127 | 184457 | 17.74 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.280 | 225 | 194247 | 44.06 | ng | | 99 |
| 35) Caprolactam | 8.586 | 113 | 114166m | 47.33 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 406650 | 47.59 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.857 | 142 | 776320 | 45.62 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.957 | 142 | 722563 | 45.40 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.027 | 216 | 333900 | 45.71 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 9.016 | 237 | 360134 | 105.23 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 233921 | 45.15 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 248942 | 44.90 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 9.322 | 154 | 947011 | 46.70 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 714350 | 44.64 | ng | | 99 |
| 48) 2-Nitroaniline | 9.445 | 65 | 278221 | 48.53 | ng | # | 80 |
| 49) Acenaphthylene | 9.769 | 152 | 1099891 | 45.32 | ng | | 99 |
| 50) Dimethylphthalate | 9.627 | 163 | 857096 | 46.88 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 196763 | 46.70 | ng | # | 76 |
| 52) Acenaphthene | 9.939 | 154 | 850195m | 50.80 | ng | | |
| 53) 3-Nitroaniline | 9.857 | 138 | 118135 | 25.26 | ng | | 88 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 225408 | 101.85 | ng | # | 81 |
| 55) Dibenzofuran | 10.110 | 168 | 1005126 | 44.37 | ng | | 95 |
| 56) 4-Nitrophenol | 10.027 | 139 | 354807 | 95.21 | ng | # | 65 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 274515 | 48.45 | ng | # | 85 |
| 58) Fluorene | 10.457 | 166 | 815927 | 45.76 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 213047 | 48.17 | ng | # | 85 |
| 60) Diethylphthalate | 10.327 | 149 | 857691 | 47.38 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 386916 | 45.58 | ng | | 97 |
| 62) 4-Nitroaniline | 10.474 | 138 | 215257 | 45.73 | ng | | 84 |
| 63) Azobenzene | 10.604 | 77 | 928328 | 44.51 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 152160 | 48.90 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.563 | 169 | 722325 | 45.18 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248 | 229923 | 45.62 | ng | # | 89 |
| 68) Hexachlorobenzene | 11.004 | 284 | 247238 | 46.57 | ng | # | 90 |
| 69) Atrazine | 11.092 | 200 | 213051 | 42.17 | ng | | 97 |
| 70) Pentachlorophenol | 11.204 | 266 | 312536 | 93.24 | ng | | 98 |
| 71) Phenanthrene | 11.421 | 178 | 1247542 | 45.64 | ng | | 99 |
| 72) Anthracene | 11.474 | 178 | 1293977 | 47.44 | ng | | 99 |
| 73) Carbazole | 11.627 | 167 | 1154361 | 44.94 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 1345841 | 46.86 | ng | | 99 |
| 75) Fluoranthene | 12.610 | 202 | 1376436 | 47.50 | ng | | 100 |
| 77) Benzidine | 12.733 | 184 | 424882 | 33.74 | ng | | 100 |
| 78) Pyrene | 12.845 | 202 | 1385979 | 45.54 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.462 | 149 | 599599 | 46.61 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 1220059 | 46.05 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 264334 | 30.02 | ng | | 99 |
| 83) Chrysene | 14.074 | 228 | 1189217 | 45.71 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 805628 | 45.49 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 1368612 | 45.23 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.003 | 276 | 1138788 | 46.36 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.092 | 252 | 1189396 | 47.65 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 1151285 | 50.87 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.462 | 252 | 1043430 | 46.88 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.027 | 278 | 940841 | 44.65 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.456 | 276 | 913637 | 47.07 | ng | | 98 |

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

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