Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
Data File : BF124999.D
Acq On : 9 Aug 2021 11:42
Operator : JU/CG
Sample : PB138219BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB138219BSD

**Manual Integrations APPROVED**
mohammad
8/10/2021 4:34:26 PM

Quant Time: Aug 09 14:32:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 09 11:03:44 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 7652 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 30251 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 16558 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 28799 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 19403 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 14937 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.451 | 112 | 44032 | 94.262 | ng | 0.01 |
| 7) Phenol-d6 | 6.457 | 99 | 53692 | 91.156 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.392 | 82 | 54853 | 94.857 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 14414 | 97.439 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 109021 | 96.342 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 127312 | 110.680 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 6726 | 38.487 | ng | # 100 |
| 3) Pyridine | 3.416 | 79 | 15060 | 37.086 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.381 | 42 | 14194 | 49.221 | ng | # 84 |
| 6) Aniline | 6.486 | 93 | 29444 | 47.324 | ng | # 97 |
| 8) 2-Chlorophenol | 6.610 | 128 | 23750 | 46.351 | ng | 92 |
| 9) Benzaldehyde | 6.375 | 77 | 14357 | 44.802 | ng | 98 |
| 10) Phenol | 6.475 | 94 | 28804 | 47.395 | ng | 82 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 22093 | 48.458 | ng | 92 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 26182 | 46.946 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 26766 | 48.009 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 24728 | 47.328 | ng | 96 |
| 15) Benzyl Alcohol | 6.969 | 79 | 20535 | 48.332 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 36472 | 49.931 | ng | 91 |
| 17) 2-Methylphenol | 7.080 | 107 | 18817 | 49.060 | ng | 95 |
| 18) Hexachloroethane | 7.333 | 117 | 10784 | 49.405 | ng | # 86 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 17345 | 49.629 | ng | 94 |
| 20) 3+4-Methylphenols | 7.233 | 107 | 25093 | 49.283 | ng | # 81 |
| 22) Acetophenone | 7.233 | 105 | 35180 | 47.485 | ng | # 86 |
| 24) Nitrobenzene | 7.410 | 77 | 24897 | 44.494 | ng | 94 |
| 25) Isophorone | 7.651 | 82 | 44043 | 44.624 | ng | 94 |
| 26) 2-Nitrophenol | 7.722 | 139 | 13252 | 46.638 | ng | # 82 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 21906 | 54.385 | ng | 89 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 28699 | 51.091 | ng | 97 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 20177 | 44.961 | ng | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 22908 | 45.550 | ng | 97 |
| 31) Naphthalene | 8.127 | 128 | 71189 | 45.803 | ng | 98 |
| 32) Benzoic acid | 7.904 | 122 | 11974 | 49.823 | ng | 89 |
| 33) 4-Chloroaniline | 8.175 | 127 | 23711 | 40.937 | ng | # 93 |
| 34) Hexachlorobutadiene | 8.239 | 225 | 14069 | 46.845 | ng | 95 |
| 35) Caprolactam | 8.563 | 113 | 5599m | 46.983 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 22248 | 47.394 | ng | 89 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 49574 | 47.439 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 43515 | 44.503 | ng | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 23084 | 48.570 | ng | 97 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 22733 | 122.618 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.098 | 196 | 15467 | 48.887 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.139 | 196 | 15302 | 47.778 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 56446 | 45.746 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 46369 | 47.235 | ng | | 99 |
| 48) 2-Nitroaniline | 9.410 | 65 | 13808 | 47.884 | ng | | 98 |
| 49) Acenaphthylene | 9.727 | 152 | 71966 | 48.262 | ng | | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 54690 | 48.740 | ng | # | 95 |
| 51) 2,6-Dinitrotoluene | 9.651 | 165 | 11788 | 47.179 | ng | | 99 |
| 52) Acenaphthene | 9.898 | 154 | 41604 | 46.023 | ng | | 99 |
| 53) 3-Nitroaniline | 9.822 | 138 | 9842 | 37.399 | ng | # | 85 |
| 54) 2,4-Dinitrophenol | 9.933 | 184 | 11893 | 92.929 | ng | | 85 |
| 55) Dibenzofuran | 10.069 | 168 | 64552 | 45.692 | ng | | 99 |
| 56) 4-Nitrophenol | 9.992 | 139 | 17955 | 103.503 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.057 | 165 | 16214 | 47.797 | ng | # | 99 |
| 58) Fluorene | 10.410 | 166 | 50860 | 46.950 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 12023 | 50.034 | ng | # | 92 |
| 60) Diethylphthalate | 10.286 | 149 | 56518 | 49.083 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 25340 | 49.534 | ng | | 97 |
| 62) 4-Nitroaniline | 10.439 | 138 | 12047 | 47.150 | ng | | 91 |
| 63) Azobenzene | 10.563 | 77 | 53204 | 47.249 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198 | 7815 | 43.316 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.521 | 169 | 44903 | 48.106 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 15524 | 49.215 | ng | | 93 |
| 68) Hexachlorobenzene | 10.957 | 284 | 16748 | 48.804 | ng | # | 90 |
| 69) Atrazine | 11.051 | 200 | 14942 | 53.273 | ng | | 96 |
| 70) Pentachlorophenol | 11.157 | 266 | 16228 | 99.144 | ng | | 95 |
| 71) Phenanthrene | 11.374 | 178 | 74865 | 47.922 | ng | | 99 |
| 72) Anthracene | 11.427 | 178 | 77531 | 49.471 | ng | | 99 |
| 73) Carbazole | 11.580 | 167 | 64384 | 44.798 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.904 | 149 | 93497 | 51.188 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 76812 | 47.528 | ng | | 97 |
| 77) Benzidine | 12.686 | 184 | 50127 | 96.553 | ng | | 98 |
| 78) Pyrene | 12.792 | 202 | 77238 | 50.538 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 35914 | 52.804 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 60698 | 48.004 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 17788 | 53.361 | ng | # | 99 |
| 83) Chrysene | 14.015 | 228 | 57922 | 47.386 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 52540 | 55.687 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.568 | 149 | 82563 | 55.467 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.892 | 276 | 44078 | 49.554 | ng | | 93 |
| 88) Benzo(b)fluoranthene | 15.015 | 252 | 52430 | 49.990 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 45019m | 47.186 | ng | | |
| 90) Benzo(a)pyrene | 15.380 | 252 | 44374 | 49.685 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.909 | 278 | 37049 | 47.372 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.333 | 276 | 36544 | 48.712 | ng | # | 89 |

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

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