Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127907.D
Acq On : 26 Apr 2022 11:47
Operator : CG\JU
Sample : PB144358BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 27 01:46:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 00:43:03 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB144358BSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.945 | 152 | 185743 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.228 | 136 | 724155 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.992 | 164 | 395301 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 661501 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 14.133 | 240 | 400561 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.645 | 264 | 345403 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 1009712 | 86.585 | ng | | 0.02 |
| 7) Phenol-d6 | 6.575 | 99 | 1323488 | 87.465 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.516 | 82 | 1360808 | 88.366 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.786 | 330 | 348904 | 87.678 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.310 | 172 | 2077860 | 88.925 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 2029461 | 92.645 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.951 | 88 | 196964 | 35.400 | ng | | 98 |
| 3) Pyridine | 3.687 | 79 | 541917 | 38.013 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.663 | 42 | 324242 | 46.987 | ng | | 100 |
| 6) Aniline | 6.610 | 93 | 681104 | 37.885 | ng | | 99 |
| 8) 2-Chlorophenol | 6.734 | 128 | 587073 | 48.504 | ng | | 99 |
| 9) Benzaldehyde | 6.498 | 77 | 391278 | 41.799 | ng | | 95 |
| 10) Phenol | 6.592 | 94 | 712415m | 46.681 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.681 | 93 | 596127 | 47.088 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.886 | 146 | 613181 | 44.012 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.963 | 146 | 612441 | 44.040 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.116 | 146 | 591534 | 45.948 | ng | | 99 |
| 15) Benzyl Alcohol | 7.092 | 79 | 489843 | 47.604 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.216 | 45 | 904707 | 46.757 | ng | | 97 |
| 17) 2-Methylphenol | 7.198 | 107 | 534506 | 51.183 | ng | | 96 |
| 18) Hexachloroethane | 7.457 | 117 | 243178 | 47.565 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.363 | 70 | 441591 | 47.674 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.351 | 107 | 551893 | 43.748 | ng | | 90 |
| 22) Acetophenone | 7.357 | 105 | 783074 | 44.367 | ng | # | 91 |
| 24) Nitrobenzene | 7.533 | 77 | 687183 | 46.309 | ng | | 98 |
| 25) Isophorone | 7.769 | 82 | 1284011 | 49.540 | ng | | 100 |
| 26) 2-Nitrophenol | 7.845 | 139 | 316283 | 50.018 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.880 | 122 | 548413 | 52.215 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.975 | 93 | 756701 | 45.555 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.086 | 162 | 494380 | 44.930 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.169 | 180 | 550097 | 44.012 | ng | | 98 |
| 31) Naphthalene | 8.251 | 128 | 1638867 | 44.435 | ng | | 99 |
| 32) Benzoic acid | 8.016 | 122 | 299606 | 39.798 | ng | | 98 |
| 33) 4-Chloroaniline | 8.298 | 127 | 348830 | 23.904 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.363 | 225 | 352439 | 44.767 | ng | | 98 |
| 35) Caprolactam | 8.686 | 113 | 144147m | 40.584 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 533842 | 45.428 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.945 | 142 | 1092075 | 44.803 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.045 | 142 | 1038262 | 43.823 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.110 | 216 | 508838 | 43.671 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.092 | 237 | 706250 | 111.877 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.222 | 196 | 349842 | 45.632 | ng | | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.263 | 196 | 361181 | 43.337 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 9.410 | 154 | 1312132 | 44.811 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.439 | 162 | 966950 | 43.378 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.533 | 65 | 352005 | 46.683 | ng | | 94 |
| 49) | Acenaphthylene | 9.857 | 152 | 1542091 | 45.225 | ng | | 100 |
| 50) | Dimethylphthalate | 9.710 | 163 | 1151390 | 43.431 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 9.774 | 165 | 265743 | 46.297 | ng | | 95 |
| 52) | Acenaphthene | 10.027 | 154 | 1102252m | 48.082 | ng | | |
| 53) | 3-Nitroaniline | 9.945 | 138 | 167085 | 26.214 | ng | | 98 |
| 54) | 2,4-Dinitrophenol | 10.057 | 184 | 276311 | 91.406 | ng | # | 83 |
| 55) | Dibenzofuran | 10.198 | 168 | 1365349 | 41.281 | ng | | 98 |
| 56) | 4-Nitrophenol | 10.116 | 139 | 374374 | 76.918 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 10.186 | 165 | 346665 | 45.595 | ng | | 96 |
| 58) | Fluorene | 10.545 | 166 | 1033741 | 41.886 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.316 | 232 | 300652 | 42.899 | ng | | 99 |
| 60) | Diethylphthalate | 10.410 | 149 | 1115375 | 42.905 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.533 | 204 | 517535 | 42.199 | ng | | 97 |
| 62) | 4-Nitroaniline | 10.569 | 138 | 256255 | 41.123 | ng | | 98 |
| 63) | Azobenzene | 10.692 | 77 | 1193913 | 41.737 | ng | | 100 |
| 65) | 4,6-Dinitro-2-methylph... | 10.592 | 198 | 183829 | 46.769 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 10.651 | 169 | 925886 | 44.983 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 11.021 | 248 | 331669 | 45.229 | ng | | 99 |
| 68) | Hexachlorobenzene | 11.092 | 284 | 359339 | 46.510 | ng | # | 91 |
| 69) | Atrazine | 11.180 | 200 | 328378 | 51.593 | ng | | 98 |
| 70) | Pentachlorophenol | 11.286 | 266 | 385467 | 84.806 | ng | | 97 |
| 71) | Phenanthrene | 11.510 | 178 | 1458620 | 42.124 | ng | | 99 |
| 72) | Anthracene | 11.563 | 178 | 1503538 | 43.590 | ng | | 99 |
| 73) | Carbazole | 11.716 | 167 | 1341015 | 40.339 | ng | | 99 |
| 74) | Di-n-butylphthalate | 12.033 | 149 | 1636035 | 43.766 | ng | | 99 |
| 75) | Fluoranthene | 12.704 | 202 | 1516038 | 41.600 | ng | | 98 |
| 77) | Benzidine | 12.821 | 184 | 703471 | 92.816 | ng | | 98 |
| 78) | Pyrene | 12.933 | 202 | 1519875 | 47.004 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.539 | 149 | 637264 | 50.281 | ng | | 100 |
| 81) | Benzo(a)anthracene | 14.121 | 228 | 1229737 | 46.060 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.080 | 252 | 254483 | 30.020 | ng | | 100 |
| 83) | Chrysene | 14.162 | 228 | 1108636 | 43.479 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.092 | 149 | 861539 | 51.260 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.715 | 149 | 1351453 | 51.887 | ng | | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.203 | 276 | 1036751 | 44.969 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.198 | 252 | 1093628 | 50.411 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.233 | 252 | 915135 | 41.870 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.586 | 252 | 966955 | 53.734 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.227 | 278 | 892029 | 48.244 | ng | | 98 |
| 92) | Benzo(g,h,i)perylene | 17.686 | 276 | 916781 | 47.049 | ng | | 99 |

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

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