Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
Data File : BF125930.D
Acq On : 26 Oct 2021 12:41
Operator : JU/CG
Sample : M4325-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RED-BOX-1-225057MS

**Manual Integrations APPROVED**
mohammad
10/27/2021 11:48:48 AM

Quant Time: Oct 26 14:42:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 25 18:49:16 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 136848 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 566804 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 326610 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 608151 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 379881 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 315720 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 1069000 | 116.356 | ng | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 1370232 | 108.738 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 927267 | 84.503 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 350295 | 123.031 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 1447986 | 78.401 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 1631583 | 70.254 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.693 | 88 | 198042 | 44.115 | ng | # 100 |
| 3) Pyridine | 3.451 | 79 | 450325 | 37.885 | ng | # 86 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 358897 | 47.075 | ng | # 73 |
| 6) Aniline | 6.528 | 93 | 533784 | 35.963 | ng | # 90 |
| 8) 2-Chlorophenol | 6.651 | 128 | 470310 | 50.716 | ng | # 80 |
| 9) Benzaldehyde | 6.416 | 77 | 298129 | 39.538 | ng | 93 |
| 10) Phenol | 6.510 | 94 | 597661m | 49.190 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 478757 | 48.930 | ng | # 78 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 478561m | 46.717 | ng | |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 484133 | 47.245 | ng | 94 |
| 14) 1,2-Dichlorobenzene | 7.039 | 146 | 472344 | 47.553 | ng | 96 |
| 15) Benzyl Alcohol | 7.010 | 79 | 470438 | 49.314 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 1146043 | 47.826 | ng | 96 |
| 17) 2-Methylphenol | 7.116 | 107 | 398346 | 49.732 | ng | # 91 |
| 18) Hexachloroethane | 7.387 | 117 | 191738 | 49.351 | ng | # 88 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 355906 | 49.435 | ng | # 93 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 458282 | 44.759 | ng | 88 |
| 22) Acetophenone | 7.281 | 105 | 656304 | 44.848 | ng | # 88 |
| 24) Nitrobenzene | 7.451 | 77 | 560938 | 49.510 | ng | # 87 |
| 25) Isophorone | 7.692 | 82 | 999281 | 47.819 | ng | # 86 |
| 26) 2-Nitrophenol | 7.763 | 139 | 226166 | 61.567 | ng | # 62 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 424659 | 52.060 | ng | 88 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 601167 | 45.854 | ng | # 97 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 383131 | 47.915 | ng | 89 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 421758 | 44.972 | ng | 97 |
| 31) Naphthalene | 8.175 | 128 | 1314490 | 45.610 | ng | 98 |
| 32) Benzoic acid | 7.916 | 122 | 304340 | 50.848 | ng | # 86 |
| 33) 4-Chloroaniline | 8.216 | 127 | 196305 | 16.529 | ng | # 89 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 263350 | 44.681 | ng | 98 |
| 35) Caprolactam | 8.592 | 113 | 139212m | 53.184 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 458187 | 48.963 | ng | 89 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 886415 | 47.782 | ng | 91 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 828929 | 46.297 | ng | 89 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 374823 | 41.660 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 499975 | 102.888 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 287496 | 46.819 | ng | 92 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.175 | 196 | 298156 | 46.023 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 1030257 | 43.067 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 794232 | 44.035 | ng | | 95 |
| 48) 2-Nitroaniline | 9.445 | 65 | 353385 | 54.855 | ng | # | 70 |
| 49) Acenaphthylene | 9.769 | 152 | 1240767 | 45.541 | ng | | 98 |
| 50) Dimethylphthalate | 9.633 | 163 | 931770 | 46.055 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 222215 | 55.686 | ng | # | 60 |
| 52) Acenaphthene | 9.939 | 154 | 874378 | 49.383 | ng | | 98 |
| 53) 3-Nitroaniline | 9.851 | 138 | 134344 | 29.367 | ng | # | 62 |
| 54) 2,4-Dinitrophenol | 9.957 | 184 | 181369 | 105.830 | ng | # | 74 |
| 55) Dibenzofuran | 10.116 | 168 | 1149915 | 43.482 | ng | | 97 |
| 56) 4-Nitrophenol | 10.010 | 139 | 368467 | 103.651 | ng | # | 53 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 297369 | 60.669 | ng | # | 96 |
| 58) Fluorene | 10.457 | 166 | 826607 | 50.130 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 249510 | 47.184 | ng | # | 91 |
| 60) Diethylphthalate | 10.333 | 149 | 963637 | 46.695 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 406199 | 41.739 | ng | | 92 |
| 62) 4-Nitroaniline | 10.469 | 138 | 216897 | 51.674 | ng | | 92 |
| 63) Azobenzene | 10.610 | 77 | 1091978 | 45.878 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 135011 | 50.232 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 796088 | 43.704 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 287989 | 44.329 | ng | | 95 |
| 68) Hexachlorobenzene | 11.004 | 284 | 307301 | 44.868 | ng | # | 88 |
| 69) Atrazine | 11.092 | 200 | 288945 | 50.086 | ng | | 94 |
| 70) Pentachlorophenol | 11.192 | 266 | 352715 | 91.221 | ng | | 95 |
| 71) Phenanthrene | 11.416 | 178 | 1375932 | 43.603 | ng | | 98 |
| 72) Anthracene | 11.469 | 178 | 1426217 | 45.267 | ng | | 98 |
| 73) Carbazole | 11.622 | 167 | 1288011 | 43.004 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 1530649 | 47.969 | ng | | 99 |
| 75) Fluoranthene | 12.604 | 202 | 1490734 | 46.861 | ng | | 98 |
| 77) Benzidine | 12.721 | 184 | 475467 | 40.125 | ng | | 98 |
| 78) Pyrene | 12.833 | 202 | 1521863 | 43.049 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 637328 | 55.421 | ng | # | 83 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 1123302 | 43.934 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 309654 | 38.196 | ng | | 99 |
| 83) Chrysene | 14.057 | 228 | 1196085 | 46.237 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 747497 | 59.999 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1357880 | 70.353 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 16.968 | 276 | 1076086 | 47.311 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 1049952 | 50.383 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 955233 | 47.721 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 954219 | 56.719 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.992 | 278 | 898297 | 48.751 | ng | # | 94 |
| 92) Benzo(g,h,i)perylene | 17.415 | 276 | 921245 | 47.853 | ng | # | 88 |

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

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