Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
Data File : BF125939.D
Acq On : 26 Oct 2021 17:55
Operator : JU/CG
Sample : M4340-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TH-EDMS

**Manual Integrations APPROVED**
mohammad
10/27/2021 11:48:57 AM

Quant Time: Oct 27 09:03:02 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 | 174656 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 721750 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 403298 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 710391 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 344459 | 20.000 | ng | | # 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 348783 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 1133360 | 96.657 | ng | | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 1434649 | 89.205 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 995212 | 71.224 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 358727 | 102.035 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 1494119 | 65.516 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.974 | 244 | 1446665 | 68.698 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.722 | 88 | 229943 | 40.133 | ng | # | 100 |
| 3) Pyridine | 3.475 | 79 | 524632 | 34.582 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.410 | 42 | 419795 | 43.143 | ng | # | 72 |
| 6) Aniline | 6.528 | 93 | 770438 | 40.670 | ng | # | 90 |
| 8) 2-Chlorophenol | 6.651 | 128 | 566365 | 47.854 | ng | # | 76 |
| 9) Benzaldehyde | 6.416 | 77 | 351429 | 36.518 | ng | | 94 |
| 10) Phenol | 6.510 | 94 | 748317 | 48.257 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 578172 | 46.299 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 568837 | 43.509 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 571377 | 43.688 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.039 | 146 | 552284 | 43.565 | ng | | 97 |
| 15) Benzyl Alcohol | 7.010 | 79 | 563778 | 46.306 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 1345394 | 43.992 | ng | | 97 |
| 17) 2-Methylphenol | 7.116 | 107 | 478854 | 46.842 | ng | # | 92 |
| 18) Hexachloroethane | 7.381 | 117 | 230127 | 46.410 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 421027 | 45.821 | ng | # | 91 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 544370 | 41.657 | ng | | 87 |
| 22) Acetophenone | 7.281 | 105 | 770177 | 41.331 | ng | # | 89 |
| 24) Nitrobenzene | 7.451 | 77 | 667164 | 46.244 | ng | | 88 |
| 25) Isophorone | 7.692 | 82 | 1201860 | 45.167 | ng | # | 86 |
| 26) 2-Nitrophenol | 7.763 | 139 | 277913 | 59.413 | ng | # | 68 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 515291 | 49.610 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 720835 | 43.178 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 459711 | 45.150 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 498786 | 41.767 | ng | | 97 |
| 31) Naphthalene | 8.175 | 128 | 1546545 | 42.141 | ng | | 99 |
| 32) Benzoic acid | 7.928 | 122 | 389914 | 51.135 | ng | | 89 |
| 33) 4-Chloroaniline | 8.216 | 127 | 415622 | 27.482 | ng | # | 88 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 316740 | 42.202 | ng | | 100 |
| 35) Caprolactam | 8.592 | 113 | 160688m | 48.209 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 539816 | 45.302 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 1065956 | 45.125 | ng | | 90 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 992184 | 43.519 | ng | | 90 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 453281 | 40.800 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 600443 | 100.067 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 341955 | 45.099 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.175 | 196 | 351034 | 43.882 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 1237828 | 41.905 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 941649 | 42.281 | ng | | 94 |
| 48) 2-Nitroaniline | 9.445 | 65 | 415965 | 52.291 | ng | # | 71 |
| 49) Acenaphthylene | 9.769 | 152 | 1451553 | 43.147 | ng | | 97 |
| 50) Dimethylphthalate | 9.633 | 163 | 1099212 | 44.000 | ng | | 96 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 262048 | 53.181 | ng | # | 60 |
| 52) Acenaphthene | 9.939 | 154 | 1046664 | 47.873 | ng | | 98 |
| 53) 3-Nitroaniline | 9.857 | 138 | 193797 | 34.308 | ng | # | 78 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 236128 | 111.196 | ng | | 87 |
| 55) Dibenzofuran | 10.116 | 168 | 1356373 | 41.536 | ng | | 96 |
| 56) 4-Nitrophenol | 10.016 | 139 | 412764 | 94.033 | ng | # | 63 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 348588 | 57.595 | ng | # | 90 |
| 58) Fluorene | 10.457 | 166 | 968484 | 47.310 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 296646 | 45.431 | ng | # | 89 |
| 60) Diethylphthalate | 10.333 | 149 | 1176499 | 46.169 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 467133 | 38.873 | ng | | 94 |
| 62) 4-Nitroaniline | 10.475 | 138 | 255021 | 49.204 | ng | | 88 |
| 63) Azobenzene | 10.610 | 77 | 1289194 | 43.864 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 166808 | 52.780 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 919632 | 43.220 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 327792 | 43.194 | ng | | 92 |
| 68) Hexachlorobenzene | 11.004 | 284 | 356027 | 44.501 | ng | # | 89 |
| 69) Atrazine | 11.098 | 200 | 315907 | 46.878 | ng | | 89 |
| 70) Pentachlorophenol | 11.192 | 266 | 391287 | 86.632 | ng | | 95 |
| 71) Phenanthrene | 11.416 | 178 | 1551795 | 42.098 | ng | | 97 |
| 72) Anthracene | 11.469 | 178 | 1614039 | 43.855 | ng | | 99 |
| 73) Carbazole | 11.622 | 167 | 1381967 | 39.500 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 1683173 | 45.157 | ng | | 99 |
| 75) Fluoranthene | 12.604 | 202 | 1504114 | 40.477 | ng | | 97 |
| 77) Benzidine | 12.721 | 184 | 657396 | 61.184 | ng | | 98 |
| 78) Pyrene | 12.833 | 202 | 1516132 | 47.297 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 582375 | 55.850 | ng | # | 86 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 996113 | 42.966 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 296633 | 40.352 | ng | | 100 |
| 83) Chrysene | 14.057 | 228 | 1065079 | 45.407 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 672740 | 59.551 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1184377 | 67.674 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 16.968 | 276 | 1190693 | 47.387 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 1098831 | 47.730 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 922922 | 41.736 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 1005663 | 54.110 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 16.986 | 278 | 1005249 | 49.384 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.409 | 276 | 1024706 | 48.182 | ng | # | 89 |

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

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