Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
Data File : BF131348.D
Acq On : 23 Nov 2022 00:57
Operator : CG\JU
Sample : N5740-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-12MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 04:22:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 01:17:52 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.963 | 152 | 89896 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.257 | 136 | 324650 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 10.022 | 164 | 169117 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.516 | 188 | 247646 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.174 | 240 | 182361 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.715 | 264 | 198108 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 591002 | 125.123 | ng | | 0.01 |
| 7) Phenol-d6 | 6.581 | 99 | 738540 | 122.549 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.534 | 82 | 473893 | 73.582 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.816 | 330 | 175739 | 123.517 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.334 | 172 | 819553 | 70.502 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.110 | 244 | 628551 | 56.363 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.834 | 88 | 92965 | 41.284 | ng | | 98 |
| 3) Pyridine | 3.593 | 79 | 248884 | 39.804 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.557 | 42 | 166878 | 45.257 | ng | | 98 |
| 6) Aniline | 6.628 | 93 | 208932m | 26.454 | ng | | |
| 8) 2-Chlorophenol | 6.745 | 128 | 271294 | 50.698 | ng | | 99 |
| 9) Benzaldehyde | 6.516 | 77 | 153103 | 41.772 | ng | | 97 |
| 10) Phenol | 6.598 | 94 | 324700 | 48.595 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 262163 | 46.830 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.904 | 146 | 294212 | 46.132 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.981 | 146 | 297574 | 45.919 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.134 | 146 | 282331 | 47.316 | ng | | 99 |
| 15) Benzyl Alcohol | 7.104 | 79 | 241665 | 48.906 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240 | 45 | 476188 | 44.478 | ng | | 99 |
| 17) 2-Methylphenol | 7.210 | 107 | 218361 | 47.877 | ng | | 98 |
| 18) Hexachloroethane | 7.481 | 117 | 113392 | 48.914 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.381 | 70 | 195670 | 44.352 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 272303 | 46.760 | ng | | 97 |
| 22) Acetophenone | 7.381 | 105 | 378940 | 45.856 | ng | # | 95 |
| 24) Nitrobenzene | 7.551 | 77 | 300803 | 44.828 | ng | | 99 |
| 25) Isophorone | 7.792 | 82 | 542469 | 47.211 | ng | | 97 |
| 26) 2-Nitrophenol | 7.869 | 139 | 131544 | 58.473 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.898 | 122 | 238325 | 53.503 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.998 | 93 | 318514 | 48.806 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.104 | 162 | 226911 | 46.963 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.192 | 180 | 260994 | 43.604 | ng | | 99 |
| 31) Naphthalene | 8.281 | 128 | 740947 | 42.828 | ng | | 99 |
| 32) Benzoic acid | 7.992 | 122 | 115596m | 43.308 | ng | | |
| 33) 4-Chloroaniline | 8.322 | 127 | 51647 | 7.567 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 168206 | 43.399 | ng | | 98 |
| 35) Caprolactam | 8.698 | 113 | 64854m | 51.080 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.798 | 107 | 236276 | 47.069 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.969 | 142 | 500529 | 42.700 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.075 | 142 | 466121 | 41.007 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.134 | 216 | 262108 | 47.760 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 265801 | 107.737 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.245 | 196 | 165352 | 53.111 | ng | | 98 |

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**Instrument :**
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Quant Time: Nov 23 04:22:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 01:17:52 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.281 | 196 | 170556 | 48.718 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.439 | 154 | 608499 | 47.150 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.463 | 162 | 477019 | 46.076 | ng | | 99 |
| 48) 2-Nitroaniline | 9.557 | 65 | 158408 | 50.394 | ng | | 97 |
| 49) Acenaphthylene | 9.881 | 152 | 707989 | 44.861 | ng | | 100 |
| 50) Dimethylphthalate | 9.739 | 163 | 553900 | 47.008 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.798 | 165 | 117357 | 49.803 | ng | | 96 |
| 52) Acenaphthene | 10.057 | 154 | 462427 | 46.793 | ng | | 98 |
| 53) 3-Nitroaniline | 9.969 | 138 | 54162 | 22.368 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 10.075 | 184 | 70477 | 69.673 | ng | # | 80 |
| 55) Dibenzofuran | 10.228 | 168 | 616266 | 43.346 | ng | | 99 |
| 56) 4-Nitrophenol | 10.122 | 139 | 155881 | 92.760 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.204 | 165 | 148176 | 49.977 | ng | | 97 |
| 58) Fluorene | 10.575 | 166 | 468402 | 42.214 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.339 | 232 | 131757 | 45.192 | ng | | 100 |
| 60) Diethylphthalate | 10.439 | 149 | 502048 | 45.124 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.563 | 204 | 250536 | 44.045 | ng | | 99 |
| 62) 4-Nitroaniline | 10.586 | 138 | 93442 | 38.776 | ng | | 97 |
| 63) Azobenzene | 10.722 | 77 | 501874 | 41.952 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198 | 49390 | 46.828 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.680 | 169 | 408530 | 51.771 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.057 | 248 | 152762 | 50.330 | ng | | 100 |
| 68) Hexachlorobenzene | 11.116 | 284 | 159982 | 49.662 | ng | | 99 |
| 69) Atrazine | 11.210 | 200 | 139973 | 57.611 | ng | | 99 |
| 70) Pentachlorophenol | 11.310 | 266 | 152075 | 81.168 | ng | | 99 |
| 71) Phenanthrene | 11.539 | 178 | 605319 | 45.228 | ng | | 100 |
| 72) Anthracene | 11.592 | 178 | 611158 | 46.465 | ng | | 99 |
| 73) Carbazole | 11.745 | 167 | 504584 | 44.973 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.075 | 149 | 650287 | 49.187 | ng | | 100 |
| 75) Fluoranthene | 12.733 | 202 | 571672 | 40.536 | ng | | 100 |
| 77) Benzidine | 12.857 | 184 | 219671 | 65.215 | ng | | 97 |
| 78) Pyrene | 12.969 | 202 | 573385 | 35.637 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.586 | 149 | 222571 | 41.712 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.163 | 228 | 549436 | 43.955 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.121 | 252 | 105412 | 31.780 | ng | | 98 |
| 83) Chrysene | 14.198 | 228 | 533425 | 43.496 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.145 | 149 | 309479 | 43.466 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.774 | 149 | 570832 | 53.904 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.292 | 276 | 541931 | 40.729 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.257 | 252 | 593149 | 45.070 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.292 | 252 | 601829 | 44.499 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.651 | 252 | 535209 | 49.562 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.315 | 278 | 464314 | 42.267 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.768 | 276 | 422840 | 38.566 | ng | | 98 |

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

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