Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
Data File : BM036146.D
Acq On : 08 Aug 2022 14:56
Operator : CG/JU
Sample : N4063-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 23:33:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 03:36:25 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
P-5CMSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 371721 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.657 | 136 | 1593799 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.498 | 164 | 968309 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.239 | 188 | 1907076 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.427 | 240 | 1466661 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.792 | 264 | 1207550 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 2635623 | 114.953 | ng | | 0.02 |
| 7) Phenol-d6 | 7.069 | 99 | 3377535 | 115.772 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 9.028 | 82 | 2010907 | 70.626 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.992 | 330 | 1292711 | 113.800 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 4608145 | 70.265 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.868 | 244 | 6459765 | 86.874 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.275 | 88 | 337066 | 36.483 | ng | | 91 |
| 3) Pyridine | 3.687 | 79 | 955121 | 38.552 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 439194 | 43.140 | ng | # | 64 |
| 6) Aniline | 7.187 | 93 | 1544681 | 47.813 | ng | | 95 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1196805 | 48.957 | ng | | 95 |
| 9) Benzaldehyde | 6.993 | 77 | 752639 | 48.730 | ng | | 95 |
| 10) Phenol | 7.098 | 94 | 1457843 | 49.628 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 1087415 | 44.937 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.734 | 146 | 1229630 | 45.392 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 1263282 | 45.728 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 1209572 | 45.378 | ng | | 99 |
| 15) Benzyl Alcohol | 8.116 | 79 | 978066m | 49.959 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 1467031 | 45.592 | ng | | 96 |
| 17) 2-Methylphenol | 8.340 | 107 | 977885 | 50.289 | ng | | 95 |
| 18) Hexachloroethane | 8.928 | 117 | 471431 | 47.405 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 817407 | 46.127 | ng | | 87 |
| 20) 3+4-Methylphenols | 8.669 | 107 | 1292346 | 48.918 | ng | # | 87 |
| 22) Acetophenone | 8.687 | 105 | 1698063 | 45.008 | ng | # | 94 |
| 24) Nitrobenzene | 9.069 | 77 | 1228319 | 45.890 | ng | | 95 |
| 25) Isophorone | 9.598 | 82 | 2333487 | 50.379 | ng | | 98 |
| 26) 2-Nitrophenol | 9.775 | 139 | 643037 | 50.934 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.863 | 122 | 1092163 | 55.845 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.081 | 93 | 1457276 | 44.160 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.328 | 162 | 1088777 | 49.505 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.522 | 180 | 1076577 | 43.195 | ng | | 98 |
| 31) Naphthalene | 10.710 | 128 | 3549450 | 44.794 | ng | | 99 |
| 32) Benzoic acid | 10.063 | 122 | 822940 | 53.084 | ng | | 93 |
| 33) 4-Chloroaniline | 10.834 | 127 | 1228184 | 38.459 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.986 | 225 | 648403 | 44.273 | ng | | 97 |
| 35) Caprolactam | 11.651 | 113 | 348179 | 51.397 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 11.992 | 107 | 1144382 | 49.504 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 2437944 | 46.234 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2339686 | 45.309 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 1190823 | 45.361 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 1489693 | 107.143 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.945 | 196 | 843557 | 47.223 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.028 | 196 | 912056 | 48.367 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 3171537 | 44.943 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.375 | 162 | 2427362 | 44.943 | ng | | 99 |
| 48) 2-Nitroaniline | 13.598 | 65 | 728325 | 49.483 | ng | | 89 |
| 49) Acenaphthylene | 14.222 | 152 | 3865482 | 46.300 | ng | | 100 |
| 50) Dimethylphthalate | 13.969 | 163 | 2958840 | 44.934 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.092 | 165 | 652918 | 49.419 | ng | | 90 |
| 52) Acenaphthene | 14.563 | 154 | 2738438m | 50.142 | ng | | |
| 53) 3-Nitroaniline | 14.427 | 138 | 604803 | 39.236 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.627 | 184 | 707354 | 101.174 | ng | | 91 |
| 55) Dibenzofuran | 14.898 | 168 | 3600099 | 44.020 | ng | | 98 |
| 56) 4-Nitrophenol | 14.780 | 139 | 1224581 | 99.274 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 14.874 | 165 | 894279 | 51.641 | ng | | 98 |
| 58) Fluorene | 15.545 | 166 | 2910334 | 45.113 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.133 | 232 | 740331 | 46.347 | ng | | 97 |
| 60) Diethylphthalate | 15.327 | 149 | 3068204 | 45.341 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.539 | 204 | 1412052 | 43.896 | ng | | 98 |
| 62) 4-Nitroaniline | 15.592 | 138 | 751130m | 47.367 | ng | | |
| 63) Azobenzene | 15.833 | 77 | 2852944 | 44.348 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.633 | 198 | 449724 | 46.120 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.763 | 169 | 2488191 | 46.218 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.433 | 248 | 867480 | 45.476 | ng | | 96 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1015582 | 46.401 | ng | | 94 |
| 69) Atrazine | 16.721 | 200 | 880295 | 58.437 | ng | | 98 |
| 70) Pentachlorophenol | 16.898 | 266 | 1195050 | 93.228 | ng | | 99 |
| 71) Phenanthrene | 17.286 | 178 | 4416005 | 45.451 | ng | | 99 |
| 72) Anthracene | 17.374 | 178 | 4446942 | 47.276 | ng | | 98 |
| 73) Carbazole | 17.657 | 167 | 4150143 | 43.545 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.215 | 149 | 5357327 | 47.088 | ng | | 99 |
| 75) Fluoranthene | 19.304 | 202 | 4891972 | 44.981 | ng | | 99 |
| 77) Benzidine | 19.498 | 184 | 3379557 | 153.647 | ng | | 99 |
| 78) Pyrene | 19.662 | 202 | 4940214 | 54.319 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.568 | 149 | 2255996 | 57.473 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.415 | 228 | 4215148 | 46.660 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.351 | 252 | 1371860 | 62.541 | ng | | 99 |
| 83) Chrysene | 21.468 | 228 | 3884500 | 45.235 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149 | 3155036 | 53.277 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.256 | 149 | 4659041 | 48.207 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.250 | 276 | 3772048 | 44.450 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.074 | 252 | 3588322 | 50.719 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.121 | 252 | 3352217 | 46.912 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.686 | 252 | 2985824 | 50.300 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.268 | 278 | 3297561 | 46.423 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 27.009 | 276 | 3281029 | 47.713 | ng | | 99 |

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

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