Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081523\
Data File : BM041415.D
Acq On : 15 Aug 2023 20:49
Operator : MA/JU
Sample : PB154790BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 16 01:13:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 17:51:06 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB154790BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 165186 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.569 | 136 | 617740 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.427 | 164 | 343426 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.186 | 188 | 651189 | 20.000 | ng | | #-0.02 |
| 76) Chrysene-d12 | 21.392 | 240 | 596776 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 23.756 | 264 | 764883 | 20.000 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.346 | 112 | 1308633 | 118.404 | ng | | 0.00 |
| 7) Phenol-d6 | 6.951 | 99 | 1582633 | 110.470 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.945 | 82 | 1032327 | 77.715 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.933 | 330 | 588665 | 121.185 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 2178393 | 80.129 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.827 | 244 | 2675904 | 81.072 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.246 | 88 | 149322 | 31.582 | ng | | 94 |
| 3) Pyridine | 3.652 | 79 | 371217 | 29.861 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.563 | 42 | 211871 | 36.850 | ng | | 98 |
| 6) Aniline | 7.104 | 93 | 480428 | 28.655 | ng | | 100 |
| 8) 2-Chlorophenol | 7.328 | 128 | 466796 | 43.263 | ng | | 99 |
| 9) Benzaldehyde | 6.916 | 77 | 188969m | 24.998 | ng | | |
| 10) Phenol | 6.981 | 94 | 582527 | 42.099 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.204 | 93 | 448478 | 40.041 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.651 | 146 | 522267 | 44.468 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.798 | 146 | 531577 | 45.030 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.110 | 146 | 506614 | 44.758 | ng | | 99 |
| 15) Benzyl Alcohol | 8.022 | 79 | 420730 | 46.503 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.304 | 45 | 511637 | 34.284 | ng | | 94 |
| 17) 2-Methylphenol | 8.228 | 107 | 378977 | 40.089 | ng | | 97 |
| 18) Hexachloroethane | 8.828 | 117 | 197099 | 44.847 | ng | | 89 |
| 19) n-Nitroso-di-n-propyla... | 8.586 | 70 | 361263 | 41.516 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.557 | 107 | 506188 | 40.047 | ng | | 98 |
| 22) Acetophenone | 8.604 | 105 | 686815 | 41.980 | ng | | 99 |
| 24) Nitrobenzene | 8.986 | 77 | 544069 | 40.502 | ng | | 100 |
| 25) Isophorone | 9.510 | 82 | 936125 | 41.515 | ng | | 98 |
| 26) 2-Nitrophenol | 9.692 | 139 | 245915 | 46.829 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.757 | 122 | 372327 | 40.292 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 555472 | 39.327 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.228 | 162 | 431775 | 46.334 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.428 | 180 | 494380 | 48.018 | ng | | 97 |
| 31) Naphthalene | 10.616 | 128 | 1341667 | 40.023 | ng | | 100 |
| 32) Benzoic acid | 9.939 | 122 | 256851 | 38.647 | ng | | 94 |
| 33) 4-Chloroaniline | 10.757 | 127 | 142917 | 10.668 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.886 | 225 | 323980 | 52.321 | ng | | 98 |
| 35) Caprolactam | 11.575 | 113 | 110684 | 41.059 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 11.886 | 107 | 411676 | 41.973 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 886551 | 39.228 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 846518 | 40.020 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216 | 530356 | 47.559 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 428758 | 72.675 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.863 | 196 | 339337 | 47.477 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.939 | 196 | 365109 | 44.135 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.257 | 154 | 1156439 | 41.537 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.304 | 162 | 913964 | 43.966 | ng | | 98 |
| 48) 2-Nitroaniline | 13.527 | 65 | 259691 | 39.136 | ng | | 99 |
| 49) Acenaphthylene | 14.151 | 152 | 1400295 | 41.733 | ng | | 100 |
| 50) Dimethylphthalate | 13.904 | 163 | 1085877 | 42.034 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.033 | 165 | 235479 | 43.993 | ng | | 96 |
| 52) Acenaphthene | 14.492 | 154 | 804270 | 39.788 | ng | | 99 |
| 53) 3-Nitroaniline | 14.363 | 138 | 141456 | 24.189 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.580 | 184 | 192704 | 55.259 | ng | | 91 |
| 55) Dibenzofuran | 14.833 | 168 | 1326155 | 40.211 | ng | | 99 |
| 56) 4-Nitrophenol | 14.686 | 139 | 347117 | 77.812 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.827 | 165 | 311874 | 41.201 | ng | | 94 |
| 58) Fluorene | 15.480 | 166 | 1038644 | 39.921 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.063 | 232 | 306222 | 45.712 | ng | | 94 |
| 60) Diethylphthalate | 15.262 | 149 | 1033095 | 41.354 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.480 | 204 | 562539 | 43.148 | ng | | 97 |
| 62) 4-Nitroaniline | 15.539 | 138 | 176294 | 32.360 | ng | | 92 |
| 63) Azobenzene | 15.774 | 77 | 1024856 | 37.451 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 143774 | 36.446 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 15.704 | 169 | 872280 | 43.070 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.374 | 248 | 332662 | 46.593 | ng | | 97 |
| 68) Hexachlorobenzene | 16.486 | 284 | 381697 | 48.078 | ng | | 95 |
| 69) Atrazine | 16.662 | 200 | 310166 | 58.317 | ng | | 100 |
| 70) Pentachlorophenol | 16.839 | 266 | 426197 | 77.526 | ng | | 99 |
| 71) Phenanthrene | 17.233 | 178 | 1456771 | 40.264 | ng | | 100 |
| 72) Anthracene | 17.321 | 178 | 1491093 | 41.670 | ng | | 99 |
| 73) Carbazole | 17.604 | 167 | 1308074 | 40.389 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.162 | 149 | 1591584 | 43.488 | ng | | 100 |
| 75) Fluoranthene | 19.256 | 202 | 1618752 | 39.824 | ng | | 98 |
| 77) Benzidine | 19.456 | 184 | 953665 | 117.244 | ng | | 100 |
| 78) Pyrene | 19.621 | 202 | 1685027 | 40.376 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 642794 | 42.177 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.380 | 228 | 1763953 | 43.601 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.321 | 252 | 515240 | 39.029 | ng | | 99 |
| 83) Chrysene | 21.433 | 228 | 1637194 | 41.838 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.297 | 149 | 949655 | 39.701 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.215 | 149 | 1654185 | 42.947 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.203 | 276 | 2543947 | 45.238 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.038 | 252 | 2012325 | 44.287 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 23.086 | 252 | 1884986m | 40.555 | ng | | |
| 90) Benzo(a)pyrene | 23.650 | 252 | 1806650 | 41.380 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 26.209 | 278 | 2145050 | 45.732 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 26.950 | 276 | 2057478 | 44.829 | ng | # | 95 |

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

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