Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081122\
Data File : BM036210.D
Acq On : 11 Aug 2022 15:35
Operator : CG/JU
Sample : PB146776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 02:14:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 22:19:26 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB146776BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.828 | 152 | 262194 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.628 | 136 | 1067468 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.469 | 164 | 555674 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 958218 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.398 | 240 | 747486 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.739 | 264 | 721905 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 2059225 | 127.331 | ng | | 0.00 |
| 7) Phenol-d6 | 7.028 | 99 | 2571633 | 124.970 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.998 | 82 | 1472602 | 77.222 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.963 | 330 | 699379 | 107.287 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 2932092 | 77.908 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 3194365 | 84.292 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.263 | 88 | 204893 | 31.441 | ng | # | 93 |
| 3) Pyridine | 3.675 | 79 | 584714 | 33.460 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 311335 | 43.355 | ng | # | 68 |
| 6) Aniline | 7.157 | 93 | 1012331 | 44.424 | ng | | 95 |
| 8) 2-Chlorophenol | 7.398 | 128 | 761349 | 44.154 | ng | | 95 |
| 9) Benzaldehyde | 6.969 | 77 | 346477 | 31.804 | ng | | 94 |
| 10) Phenol | 7.051 | 94 | 963667 | 46.509 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.257 | 93 | 696951 | 40.833 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.710 | 146 | 781884 | 40.920 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.863 | 146 | 801656 | 41.140 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.175 | 146 | 780736 | 41.525 | ng | | 98 |
| 15) Benzyl Alcohol | 8.081 | 79 | 598734m | 43.358 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.357 | 45 | 904658 | 39.860 | ng | | 97 |
| 17) 2-Methylphenol | 8.293 | 107 | 607194 | 44.270 | ng | | 96 |
| 18) Hexachloroethane | 8.898 | 117 | 286607 | 40.859 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.645 | 70 | 504270 | 40.343 | ng | | 88 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 809558 | 43.444 | ng | | 98 |
| 22) Acetophenone | 8.663 | 105 | 1066670 | 42.213 | ng | # | 92 |
| 24) Nitrobenzene | 9.040 | 77 | 787430 | 43.923 | ng | | 97 |
| 25) Isophorone | 9.569 | 82 | 1335002 | 43.033 | ng | | 98 |
| 26) 2-Nitrophenol | 9.751 | 139 | 383634 | 45.370 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.822 | 122 | 641670 | 48.988 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.051 | 93 | 840179 | 38.014 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.292 | 162 | 625608 | 42.471 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.492 | 180 | 650550 | 38.972 | ng | | 99 |
| 31) Naphthalene | 10.681 | 128 | 2203862 | 41.526 | ng | | 100 |
| 32) Benzoic acid | 9.992 | 122 | 431435 | 41.551 | ng | | 92 |
| 33) 4-Chloroaniline | 10.804 | 127 | 649573 | 30.370 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.957 | 225 | 371893 | 37.913 | ng | | 98 |
| 35) Caprolactam | 11.616 | 113 | 181427 | 39.987 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 11.945 | 107 | 636135 | 41.086 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.292 | 142 | 1410920 | 39.951 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.516 | 142 | 1353956 | 39.148 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.663 | 216 | 653512 | 43.380 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.633 | 237 | 823402 | 103.199 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 439433 | 42.867 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 475424 | 43.935 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.310 | 154 | 1747924 | 43.163 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.351 | 162 | 1350435 | 43.571 | ng | 99 |
| 48) 2-Nitroaniline | 13.569 | 65 | 390881 | 46.277 | ng | 89 |
| 49) Acenaphthylene | 14.192 | 152 | 2113105 | 44.105 | ng | 99 |
| 50) Dimethylphthalate | 13.939 | 163 | 1453507 | 38.465 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 328333 | 43.305 | ng | 91 |
| 52) Acenaphthene | 14.533 | 154 | 1477050m | 47.129 | ng | |
| 53) 3-Nitroaniline | 14.392 | 138 | 288525 | 32.617 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.598 | 184 | 365785 | 91.170 | ng | 92 |
| 55) Dibenzofuran | 14.869 | 168 | 1910959 | 40.717 | ng | 97 |
| 56) 4-Nitrophenol | 14.727 | 139 | 614365 | 86.789 | ng | 86 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 436276 | 43.901 | ng | 98 |
| 58) Fluorene | 15.516 | 166 | 1511118 | 40.818 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 360103 | 39.284 | ng | 97 |
| 60) Diethylphthalate | 15.298 | 149 | 1394950 | 35.922 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 695075 | 37.653 | ng | 95 |
| 62) 4-Nitroaniline | 15.557 | 138 | 358279m | 39.371 | ng | |
| 63) Azobenzene | 15.804 | 77 | 1414973 | 38.329 | ng | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198 | 208624 | 42.581 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 1228155 | 45.403 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248 | 395442 | 41.258 | ng | 97 |
| 68) Hexachlorobenzene | 16.516 | 284 | 478239 | 43.487 | ng | 91 |
| 69) Atrazine | 16.686 | 200 | 376504 | 49.743 | ng | 100 |
| 70) Pentachlorophenol | 16.868 | 266 | 770404 | 119.614 | ng | 100 |
| 71) Phenanthrene | 17.257 | 178 | 2139752 | 43.831 | ng | 99 |
| 72) Anthracene | 17.345 | 178 | 2145883 | 45.404 | ng | 99 |
| 73) Carbazole | 17.627 | 167 | 2007431 | 41.920 | ng | 98 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 2033816 | 35.578 | ng | 99 |
| 75) Fluoranthene | 19.274 | 202 | 2192145 | 40.116 | ng | 99 |
| 77) Benzidine | 19.468 | 184 | 1237542 | 110.395 | ng | 99 |
| 78) Pyrene | 19.633 | 202 | 2267132 | 48.912 | ng | 99 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 798332 | 39.906 | ng | 96 |
| 81) Benzo(a)anthracene | 21.380 | 228 | 1988921 | 43.199 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.321 | 252 | 666227 | 59.594 | ng | 99 |
| 83) Chrysene | 21.433 | 228 | 1879737 | 42.950 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.309 | 149 | 1053514 | 34.906 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.215 | 149 | 1700807 | 34.530 | ng | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.174 | 276 | 2361484 | 46.549 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.027 | 252 | 1972570 | 46.638 | ng | 98 |
| 89) Benzo(k)fluoranthene | 23.074 | 252 | 1892538 | 44.302 | ng | 99 |
| 90) Benzo(a)pyrene | 23.639 | 252 | 1739550 | 49.019 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 26.191 | 278 | 2072317 | 48.800 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 26.927 | 276 | 2121724 | 51.611 | ng | 98 |

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

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